

# Atlas and wavenumber tables for visible part of the rovibronic multiline emission spectrum of the $D_2$ molecule. I. Wavenumber range $23894 \div 18161 \text{ cm}^{-1}$ measured with moderate resolution.

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The visible part ( $\approx 419 \div 550 \text{ nm}$ ) of the multiline electronic-vibro-rotational emission spectrum of the  $D_2$  molecule was recorded with moderate resolution (line widths  $\approx 0.013 \text{ nm}$ ). The resolution was limited by Doppler broadening of spectral lines. After numerical deconvolution of the recorded intensity distributions and proper calibration of the spectrometer the new set of wavenumber values was obtained. The results are reported in the form of an atlas divided into 36 sections covering about  $1.5 \text{ nm}$ , containing pictures of images in the focal plane of the spectrometer, intensity distributions in linear and logarithmic scales and the table containing wavenumber and relative intensity values for 6545 spectral lines together with existing line assignments.

## Introduction

Any activity in practical spectroscopy starts from recording certain spectra and recognizing lines, branches and bands interesting for an experimentalist. Most straightforward, dependable and easy way for the recognition is a comparison of an observed spectrum with certain reference atlases of spectra for various atoms and molecules. Currently for molecular deuterium such atlas is available only for limited part of vacuum ultraviolet (VUV) emission spectrum  $78.60 \div 171.35 \text{ nm}$ . Present work reports atlas of multiline electronic-vibro-rotational (rovibronic) spectrum of the  $D_2$  molecule for visible part ( $419 \div 550 \text{ nm}$ ) of the emission spectrum most suitable for practical applications in studies of deuterium

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containing plasmas.

Experimental studies of the  $D_2$  spectrum have been started soon after discovery of the heavy isotope of atomic hydrogen [1, 2]. Wavenumber values of rovibronic radiative transitions obtained by emission spectroscopy in visible [3–8] and infrared (IR) [9–11] parts of the  $D_2$  spectrum together with those obtained by VUV [12–17] and anticrossing [18–22] spectroscopic experiments were collected and analyzed in the review paper [23]. Later fragmentary measurements were made in middle infrared (about  $4.5 \mu m$ ) by FTIR (Fourier transform infrared) [24] and laser [25] spectroscopy. Measurements of the wavenumber values for separate rovibronic lines and empirical determination of singlet rovibronic term values are in progress up to now [26–31].

The spectrum of the  $D_2$  molecule is caused by both singlet-singlet and triplet-triplet rovibronic transitions. The intercombination lines were not observed yet. The most interesting resonance singlet-to-singlet band systems connected with ground electronic state are located in vacuum ultraviolet. Singlet-to-singlet and triplet-to-triplet transitions between excited electronic states are responsible for light emission of ionized gases and plasmas in near infrared, visible and near ultraviolet. Grotrian diagram of currently known electronic states and studied band systems of the  $D_2$  molecule is shown in Fig. 1. It should be noted that visible part of the spectrum is most often used for spectroscopic diagnostics of non-equilibrium plasmas [32–37].

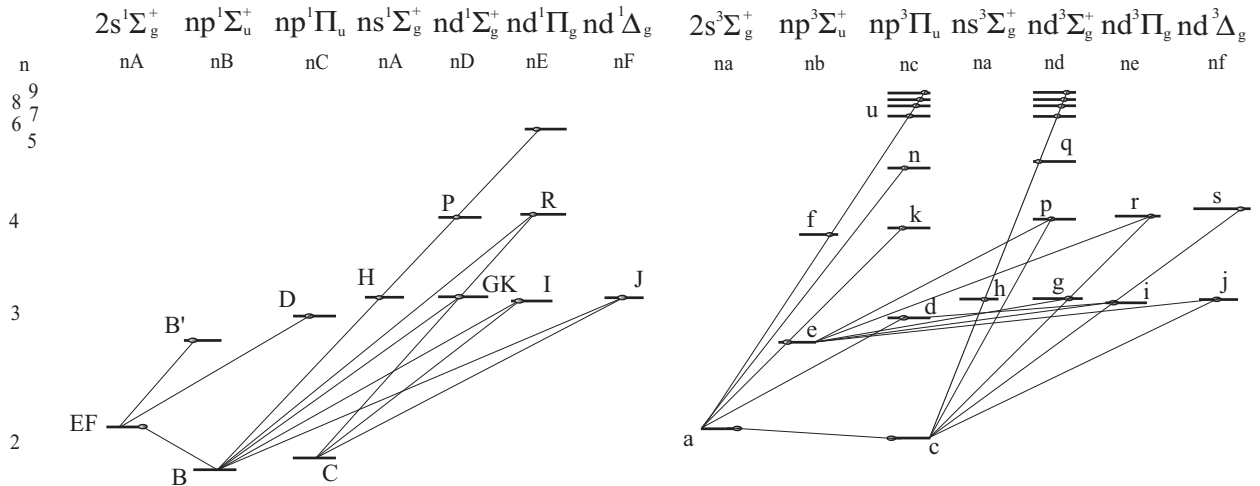


FIG. 1: Grotrian diagram of currently known electronic states and studied band systems of the  $D_2$  molecule according to [23].

TABLE I: The list of notations used for designation of electronic states of the  $D_2$  molecule corresponding to various electron configurations.

Electron configuration	Singlet electronic states		Triplet electronic states	
	Traditional	Dieke	Traditional	Dieke
	[38]	[23]	[38]	[23]
$1s\sigma^2$	$X^1\Sigma_g^+1s\sigma$	$X(1s)^1\Sigma_g^+$	1A	—
$1s\sigma 2s\sigma$	$E^1\Sigma_g^+2s\sigma$	$EF^1\Sigma_g^+$	$a^3\Sigma_g^+2s\sigma$	$a(2s)^3\Sigma_g^+$
$2p\sigma^2$	$F^1\Sigma_g^+2p\sigma^2$	$EF$		$2a$
$1s\sigma 2p\sigma$	$B^1\Sigma_u^+2p\sigma$	$B(2p)^1\Sigma_u^+$	$2B$	$b^3\Sigma_u^+2p\sigma$
$1s\sigma 2p\pi$	$C^1\Pi_u2p\pi$	$C(2p)^1\Pi_u^\pm$	$2C^\pm$	$b(2p)^3\Sigma_u^+$
$1s\sigma 3s\sigma$		$H(3s)^1\Sigma_g^+$	$3A$	$2b$
$1s\sigma 3p\sigma$	$B'^1\Sigma_u^+3p\sigma$	$B'(3p)^1\Sigma_u^+$	$3B$	$c(2p)^3\Pi_u^\pm$
$1s\sigma 3p\pi$	$D^1\Pi_u3p\pi$	$D(3p)^1\Pi_u^\pm$	$3C^\pm$	$h(3s)^3\Sigma_g^+$
$1s\sigma 3d\sigma$	$G^1\Sigma_g^+3d\sigma$	$GK^1\Sigma_g^+$	$GK$	$3a$
	$K(^1\Sigma_g^+)$			$e(3p)^3\Sigma_u^+$
$1s\sigma 3d\pi$	$I^1\Pi_g^3d\pi$	$I(3d)^1\Pi_g^\pm$	$3E^\pm$	$3b$
$1s\sigma 3d\delta$		$J(3d)^1\Delta_g^\pm$	$3F^\pm$	$d(3p)^3\Pi_u^\pm$
$1s\sigma 4p\sigma$	$B''^1\Sigma_u^+4p\sigma$	$B''(4p)^1\Sigma_u^+$	$4B$	$3c^\pm$
$1s\sigma 4p\pi$	$D'^1\Pi_u4p\pi$	$D'(4p)^1\Pi_u^\pm$	$4C^\pm$	$j(3d)^3\Delta_g^\pm$
$1s\sigma 4d\sigma$		$P(4d)^1\Sigma_g^+$	$4D$	$f(4p)^3\Sigma_u^+$
$1s\sigma 4d\pi$		$R(4d)^1\Pi_g^\pm$	$4E^\pm$	$4b$
$1s\sigma 4d\delta$				$k^3\Pi_u4p\pi$
$1s\sigma 5p\sigma$		$B'''(5p)^1\Sigma_u^+$	$5B$	$k(4p)^3\Pi_u^\pm$
$1s\sigma 5p\pi$	$D''^1\Pi_u5p\pi$	$D''(5p)^1\Pi_u^\pm$	$5C^\pm$	$4c^\pm$
$1s\sigma 5d\sigma$				$4d$
$1s\sigma 5d\pi$				$p(4d)^3\Sigma_g^+$
$1s\sigma 6p\sigma$		$(6p)^1\Sigma_u^+$	$6B$	$4e^\pm$
$1s\sigma 6p\pi$		$(6p)^1\Pi_u^\pm$	$6C^\pm$	$s(4d)^3\Delta_g^\pm$
$1s\sigma 6d\sigma$				$4f^\pm$
$1s\sigma 7p\sigma$		$(7p)^1\Sigma_u^+$	$7B$	
$1s\sigma 7p\pi$		$(7p)^1\Pi_u^\pm$	$7C^\pm$	
$1s\sigma 7d\sigma$				
$1s\sigma 8p\sigma$		$(8p)^1\Sigma_u^+$	$8B$	
$1s\sigma 8p\pi$		$(8p)^1\Pi_u^\pm$	$8C^\pm$	
$1s\sigma 8d\sigma$				
$1s\sigma 9p\sigma$		$(9p)^1\Sigma_u^+$	$9B$	
$1s\sigma 9p\pi$		$(9p)^1\Pi_u^\pm$	$9C^\pm$	
$1s\sigma 9d\sigma$				

Two different notations are used for the electronic states of the  $D_2$  [23, 38]. Traditional notation [38] does not need any additional explanations. It is based on the assumption of the

adiabatic approximation and Hund's case 'b' for angular momenta coupling. The notation earlier introduced by G.H.Dieke [39] (and later made more exact in [23]) is based on the same assumptions but it is much more compact what is very important for long tables of spectral lines. For example, the  $(s\sigma)\Sigma_g^+$  states are denoted by uppercase letter "A" for singlets and by lowercase letter "a" for triplets, the  $(p\sigma)\Sigma_u^+$  states are marked by "B" or "b", the  $(p\pi)\Pi_u$  states by "C" or "c", the  $(d\sigma)\Sigma_g^+$  states by "D" or "d" etc. with the principal quantum number  $n$  of the excited electron for united atom limit case is included as a prefix.

The relation between notations from [38] and [23] is presented in Table I. One may see that Dieke's notations are much more compact than traditional. Only part of all investigated electronic states of  $D_2$  is listed in Table I. Singlet states  $(np)^1\Sigma_u^+$  up to  $n = 46$  were studied in absorption in the VUV region of the  $D_2$  spectrum [16], the study of these states is outside the scope of this paper and they are not listed in Table I.

For the rovibronic transitions Dieke's notation consists of: the multiplicity (all lines are assigned to either singlet-to-singlet or a triplet-to-triplet transition, indicated by S or T respectively), the reflection (Krönig) symmetry of the upper level (is given as + or -), electronic transition in Dieke's notations with the upper level coming first, vibrational quantum numbers of the transition in the parentheses with the upper state listed first and finally the rotational branch ( $P$ ,  $Q$ , or  $R$ ) followed by the rotational quantum number  $N''$  of the lower rovibronic state. For example the notation "T+ 4b-2a (2-3) P1" indicates the transition between  $f(4p)^3\Sigma_u^+$ ,  $v' = 2$ ,  $N' = 0$  and  $a(2s)^3\Sigma_g^+$ ,  $v'' = 3$ ,  $N'' = 1$  rovibronic levels in traditional notation.

## Experiment

We used experimental setup described elsewhere [40, 41]. Emission of plasma inside molybdenum capillary located between anode and cathode of a gas discharge tube was used as a light source. The flux of radiation through a hole in an anode was focused by achromatic lens on the entrance slit of the spectrometer. Detailed description of the self-made high resolution automatic spectrometer and corresponding software was reported in [41]. The 2.65 m Ebert-Fastie spectrograph with 1800 grooves per mm diffraction grating was equipped with additional camera lens (that gives effective focus length  $F = 6786 \pm 8$  mm) and computer-controlled CMOS matrix detector ( $22.2 \times 14.8$  mm<sup>2</sup>,  $1728 \times 1152$  pixels). The

apparatus has linear dispersion of  $0.076 \div 0.065$  nm/mm in the wavelength range 400 – 700 nm, dynamic range of measurable intensities greater than  $10^4$  and maximum resolving power up to  $2 \times 10^5$ . However, actual resolving power in our conditions was mainly limited by Doppler broadening of the  $D_2$  spectral lines due to small reduced mass of nuclei.

For recording the  $D_2$  spectra with moderate resolution and large population of high rotational levels we used hot-cathode capillary-arc discharge lamp LD-2D described in [32] (pure  $D_2$  under pressure  $\approx 6$  Torr, capillary inner diameter  $\varnothing 2$  mm, current density  $\approx 10$  A/cm<sup>2</sup>). Gas temperature  $T = 1890 \pm 170$  K was obtained from the intensity distribution in the rotational structure of the (2 – 2) Q-branch of Fulcher- $\alpha$  band system (see e.g. [42, 43]). It corresponds to Doppler linewidths (FWHM)  $\Delta\nu_D = 0.22 \div 0.37$  cm<sup>-1</sup> for  $1/\nu = 420 \div 700$  nm. Therefore we were able to open the entrance slit of the spectrometer up to 60  $\mu$ m for gaining more signal (and corresponding decrease in data accumulation time) without significant loss in resolution.

Our way of determination of the rovibronic transition wavenumbers developed in [40, 41, 44–46] is based on linear response of the CMOS matrix detector on the spectral irradiance and digital intensity recording. Both things provide an extremely important advantage of our technique over traditional photographic recording with microphotometric comparator reading. It not only makes it easier to measure the relative spectral line intensities but also makes it possible to investigate the shape of the individual line profiles and, in the case of overlap of the contours of adjacent lines (so-called blending), to carry out numerically the deconvolution operation (inverse to the convolution operation) and thus to measure the intensity and wavelength of even blended lines.

It is known that, in the case of long-focus spectrometers, the dependence of the wavelength on the coordinate  $x$  along direction of dispersion, is close to linear in the vicinity of the center of the focal plane. It can be represented as a power series expansion over of the small parameter  $x/F$ , which in our case does not exceed  $2 \times 10^{-3}$ .<sup>1</sup> On the other hand, the wavelength dependence of the refractive index of air  $n(\lambda)$  is also close to linear inside a small enough part of the spectrum. Thus, when recording narrow spectral intervals, the product  $\lambda_{vac}(x) = \lambda(x)n(\lambda(x))$  has the form of a power series of low degree. This circumstance

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<sup>1</sup> The  $x$ -coordinate actually represents small displacement from the center of the matrix detector.  $F$  is the focal length of the spectrometer mirror.

makes it possible to calibrate the spectrometer directly in vacuum wavelengths  $\lambda_{vac} = 1/\nu$ , thereby avoiding the technically troublesome problem of accurate measuring the refractive index of air under the various conditions under which measurements are made.

Another peculiarity of our calibration technique is using of experimental vacuum wavelength values from [23] as standard reference data. For bright unblended spectral lines the wavelength values show small random spread around smooth curve approximating the dependence of the wavelengths of the lines against their positions in the focal plane of the spectrometer. Moreover those random errors are in good accordance with normal Gaussian distribution function. Thus it is possible to obtain precision for new wavenumber values better than that of the reference data due to smoothing.

To be sure that the data from [23] are free from systematic errors we have had to perform special experiments with capillary-arc lamp analogous to that described in [47] (capillary diameter  $d = 1.5$  mm and current density  $j = 30$  A/cm<sup>2</sup>) but filled with the  $H_2 + D_2 + Ne$  mixture (1:1:2) under total pressure  $P \approx 8$  Torr [48].

For vacuum wavelength calibration we used bright free of blending lines of the  $D_2$  and  $H_2$  molecules as well as  $Ne$  spectral lines with reference data from [23, 39, 49] respectively. The dependence of vacuum line wavelength on its position on CMOS matrix in pixels for strong unblended lines is shown on fig.2(a). One may see that the dependence of the wavelengths for most of the lines on the coordinate is monotonic and close to linear. The calibration curve of the spectrometer was obtained by the polynomial least-squares fitting of the data. Our measurements showed that, using a linear hypothesis is inadequate and a third-degree polynomial is excessive, while an approximation by a second-degree polynomial provides calibration accuracy better than  $2 \times 10^{-3}$  nm. Such a wavelength calibration allows us to get new experimental values for the rovibronic line wavenumbers. The differences  $\Delta\lambda_{vac}$  between the new values and the used reference data are shown in fig.2(b). One may see that the differences have certain spread around calibration curve, that does not exceed 0.002 nm. Thus our measurements show that experimental wavenumber values from [23, 39, 49] are in good agreement with each other. Therefore in our studies of the  $D_2$  spectrum the vacuum wavelengths values from [23] were used as the reference data set. Such "internal reference light source" gave us an opportunity to eliminate experimental errors caused by the shift between a spectrum under the study and the reference spectrum from another reference light source, due to a different illumination of the grating by the different lamps (see e.g.[26]).

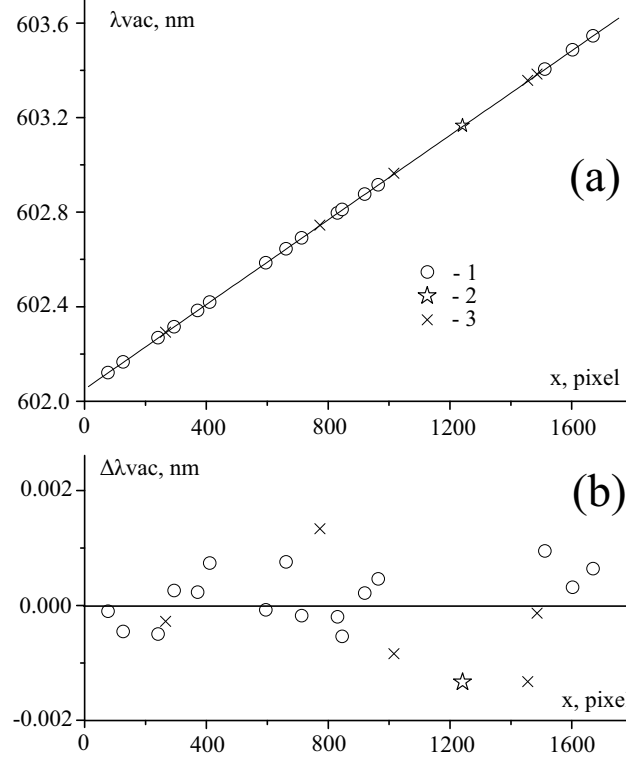


FIG. 2: Dependences of vacuum wavelengths  $\lambda_{vac}$  of the brightest  $D_2$ ,  $H_2$  and  $Ne$  spectral lines on the coordinate (in pixels) in the focal plane of the spectrometer (a) and their deviations  $\Delta\lambda_{vac}$  from the calibration curve (b); 1 are the values for the  $D_2$  molecule from [23], 2 — for the  $Ne$  atom from [49], 3 — for the  $H_2$  molecule from [39]; solid line represent the approximation of experimental data. [48]

Each experimental wavenumber value measured in the framework of procedure described above is obtained with the uncertainty (one standard deviation) determined by the quality of approximation of a recorded intensity distribution by a sum of spectral line profiles and the quality and quantity of standard reference data within every selected for processing small fragment of the spectrum.

## Results and discussion

The visible part ( $\approx 419 \div 696$  nm) of the emission spectrum of the  $D_2$  plasma was recorded and analyzed by means of technique described above. In atlas and tables of the present work we report part of this spectrum, namely the wavelength region ( $\approx 419 \div 550$  nm). Second

part of this spectrum ( $550 \div 696$  nm) will be reported in the subsequent paper. It contains two lines of the atomic deuterium ( $D_\beta$ , and  $D_\gamma$ ), corresponding lines of atomic hydrogen (impurity) and 6541 lines of molecular deuterium. The results are reported in the form of the atlas divided into 36 sections each covering about 1.5 nm, containing pictures of images in the focal plane of the spectrometer, intensity distributions in linear and logarithmic scales and the table containing wavenumber and relative intensity values for recognized spectral lines together with existing line assignments. Positions of spectral lines obtained by the deconvolution are presented as "stick diagrams" indicating their wavenumbers and amplitudes. The numbering of the lines (for every fifth line) is shown under the intensity distributions in linear scale.

All measured wavenumber values for assigned triplet spectral lines were used for obtaining the set of optimal rovibronic energy levels using the method of statistical analysis [50] with experimental data [3, 5, 9, 10, 22–25]. Detailed description of the analysis will be provided elsewhere. It was carried out similar to our previous work [45], but the observation of pseudo doublets [44] forced us to carry out the optimization in two stages. At the first stage spectral line wavenumber values for band systems having one common low electronic state  $a^3\Sigma_g^+$  ( $n^3\Lambda_g - a^3\Sigma_g^+$ , with  $\Lambda = 0, 1$  and  $n = 3 - 9$ ) were analyzed. Obtained values of rovibronic energy levels were fixed and then all other wavenumber values were added to the optimization procedure. Such a two-stage procedure gave us opportunity to obtain 595 energy level values of  $a^3\Sigma_g^+$ ,  $n^3\Lambda_g$  with  $\Lambda = 0, 1$  and  $n = 3 - 9$  electronic states having small fine structure splitting value with high precision. The values for 450 energy level values of  $c^3\Pi_u$ ,  $n^3\Lambda_u$  with  $\Lambda = 0, 1$  and  $n = 3 - 9$  electronic states are less accurate due to observed spectral lines fine structure. Our statistical analysis shows good agreement in the framework of the Rydberg-Ritz principle between used wavenumbers of spectral lines spread over the very wide range  $0.896\text{--}28166.84\text{ cm}^{-1}$  from radio frequencies up to the ultraviolet obtained for various band systems, by various methods and authors, and in various works.

Table contains: first column — spectral line number  $K$ , second and third column — measured wavenumber  $\nu$  and intensity  $I$  values respectively with standard deviation in units of last significant digit, fourth column — wavenumber value of the line from [23] in the cases when it was used as a reference data and the fifth column — assignment in the Dieke's notations. Confirmed by statistical analysis assignments for triplet lines are shown in bold and the new assignments are shown in italic.



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TABLE II:  $D_2$  rovibronic spectral lines vacuum wavenumbers values, obtained in present work  $\nu$ . The uncertainties of the  $\nu$  value determination (one SD) are shown in brackets in units of last significant digit.  $\nu_R$  — wavenumber from [23] used as reference data.

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1	23894.65(9)	7.1(5)			26	23867.33(8)	13.6(5)		
2	23893.52(10)	7.4(6)			27	23865.90(8)	11.2(5)		
3	23892.73(9)	8.9(6)		S 3A-2B (2-2) P2	28	<b>23864.57(6)</b>	44.4(5)	23864.60	<b>T- 4c-2a (1-0) Q4</b>
4	23891.74(9)	6.5(5)			29	23863.36(7)	16.9(5)	23863.38	S 3A-2B (3-4) R6
5	23890.57(7)	17.4(5)			30	23862.30(9)	12.7(7)	23862.42	
6	23889.57(8)	9.7(5)			31	23861.44(10)	10.4(7)	23861.44	
7	23888.32(8)	9.6(5)			32	23860.17(6)	96.0(6)	23860.23	S+ 3E-2B (2-1) R3
8	23887.40(7)	18.5(5)	23887.42		33	23858.97(12)	4.5(5)		
9	23886.36(9)	6.7(5)			34	23857.76(10)	7.2(5)		
10	23885.25(6)	20.2(4)			35	23856.63(8)	11.1(5)		
11	23884.05(5)	129.0(5)	23884.10	S- 3E-2B (2-1) Q8	36	23855.29(7)	13.8(5)		
12	23882.76(8)	8.7(5)			37	23854.01(8)	9.2(5)		
13	23881.74(8)	11.2(5)			38	23852.76(9)	8.2(5)		
14	23880.70(9)	8.5(5)			39	<b>23851.60(8)</b>	10.5(5)		<b>T+ 4d-2c (2-1) R1</b>
15	23879.89(10)	6.7(5)		S 3A-2B (2-2) P4	40	23850.35(8)	11.8(5)		
16	23878.89(10)	6.2(5)			41	23849.24(7)	14.9(5)		
17	23877.94(10)	5.5(5)			42	23847.89(10)	6.5(5)		
18	23876.75(6)	48.1(5)	23876.66	S- 3E-2B (4-4) Q9	43	23846.76(11)	6.8(5)		
19	23875.18(6)	68.1(5)	23875.10		44	23845.70(8)	13.0(6)		
20	23873.86(12)	7.1(8)			45	23844.56(11)	10.2(9)		
21	23873.03(10)	14.2(7)			46	23843.79(11)	10.7(9)		
22	23872.04(10)	14.8(8)			47	23842.73(11)	6.3(6)		
23	23871.27(8)	15.6(10)			48	23841.51(7)	22.8(6)	23841.50	
24	23869.61(8)	10.2(5)			49	23840.51(8)	11.7(6)		
25	23868.37(7)	16.0(5)			50	<b>23839.42(7)</b>	22.4(6)	23839.34	<b>T- 4c-2a (1-0) Q5</b>

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
51	23838.30(5)	293.9(7)	23838.29	S- 3E-2B (2-1) Q7	81	23807.10(16)	5.4(6)		
52	23837.09(8)	12.7(7)			82	23806.03(10)	32.1(5)	23806.03	S 3A-2B (3-4) R5
53	23836.31(8)	14.8(7)			83	23805.01(13)	9.1(6)		
54	23835.48(7)	18.1(7)		S+ GK-2B (8-3) R2	84	23804.15(14)	8.2(6)		
55	23834.58(8)	12.3(6)			85	23803.06(14)	5.4(6)		
56	23833.46(8)	9.8(6)			86	<b>23801.67(10)</b>	30.1(6)		T+ 4c-2a (1-0) P3
57	23832.42(7)	13.9(6)			87	23800.83(11)	20.3(6)	23801.06	
58	23831.28(8)	14.1(7)		S+ GK-2B (8-3) R1	88	23799.31(9)	176.6(6)	23799.33	S- 3E-2B (2-1) Q6
59	23830.54(8)	13.9(7)			89	23798.06(12)	11.9(7)		
60	23829.49(8)	14.3(6)			90	23797.27(14)	8.7(7)		
61	23828.59(8)	17.7(9)			91	23796.23(15)	5.9(7)		
62	23827.92(9)	12.3(9)			92	23795.43(14)	7.5(7)		
63	23826.97(7)	22.8(6)	23826.94		93	23794.13(10)	55.8(6)	23794.17	S- 3F-2B (1-0) Q5
64	<b>23825.95(8)</b>	11.2(6)		<b>T+ 4d-2c (2-1) R2</b>	94	<b>23792.94(11)</b>	18.5(8)	23792.87	S+ GK-2B (8-3) P1
65	23825.00(8)	10.2(6)							<b>T+ 4d-2c (2-1) Q2</b>
66	23823.98(8)	41.0(6)	23823.96	S- 3E-2B (4-4) Q8	95	23792.21(14)	9.8(8)		
67	23823.01(14)	7.7(5)		S+ GK-2B (8-3) R0	96	23791.38(13)	11.2(7)		
68	23822.07(12)	9.9(5)	23822.18		97	23790.52(15)	5.3(6)		
69	23820.71(14)	5.8(5)			98	23787.18(13)	10.4(10)		
70	23819.69(12)	10.2(5)			99	23786.53(15)	9.0(9)		
71	23818.50(11)	10.5(4)			100	23785.64(13)	8.9(6)		
72	23817.13(12)	7.3(4)			101	23784.71(14)	6.0(6)		
73	23815.63(11)	11.9(4)	23815.45		102	23783.36(13)	5.9(6)		
74	23814.20(10)	61.9(6)	23814.24	S+ 3F-2B (1-0) R3	103	23781.91(12)	8.7(6)		
75	23813.30(14)	6.0(5)			104	23780.97(12)	12.2(6)		
76	23812.06(10)	43.9(5)	23812.07	S+ 3E-2B (2-1) R2	105	23779.87(10)	33.5(6)	23779.81	
77	23810.86(14)	5.6(5)			106	23778.79(13)	6.8(6)		
78	23809.76(16)	5.8(6)		S- 4E-2B (3-9) Q3	107	23777.53(9)	96.9(6)	23777.53	S- 3E-2B (4-4) Q7
79	<b>23808.95(10)</b>	50.0(7)		<b>T- 4c-2a (1-0) Q6</b>	108	23776.35(12)	10.1(6)		
80	23807.93(16)	5.7(6)			109	23775.47(13)	8.5(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
110	<b>23774.31(11)</b>	15.1(6)	23774.26	<b>T- 4c-2a (1-0) Q7</b>	138	23738.71(14)	4.5(8)		
111	23773.26(14)	6.3(6)			139	23737.89(7)	22.4(10)	23737.89	S- 3F-2B (1-0) Q4
112	23771.94(13)	7.6(6)			140	23737.19(4)	47.5(13)	23737.21	S- 3E-2B (4-4) Q6
113	23771.00(13)	8.3(6)			141	<b>23734.74(5)</b>	14.1(5)	23734.73	<b>T- 4c-2a (1-0) Q8</b>
114	23769.98(11)	12.3(6)		S+ GK-2B (8-3) P2	142	23731.73(10)	5.6(7)		
115	23768.80(13)	8.1(6)			143	23730.87(8)	9.3(6)		
116	23767.94(13)	9.4(6)			144	23729.91(9)	8.0(6)		
117	23766.74(9)	399.0(8)	23766.78	S- 3E-2B (2-1) Q5 S 3A-2B (3-4) R4	145	23729.04(8)	8.0(6)		
118	23765.71(13)	11.1(7)			146	23727.96(12)	3.2(5)		
119	23764.92(9)	105.8(7)	23764.93	S+ 3E-2B (2-1) R1	147	23725.73(4)	62.5(6)	23725.74	
120	23763.89(12)	20.6(11)			148	23724.73(8)	6.9(6)		
121	23763.26(14)	12.7(11)		S+ GK-2B (4-0) R2	149	23723.54(5)	36(2)		
122	23762.37(13)	11.2(7)			150	23722.98(4)	164(2)	23723.00	S+ 3E-2B (2-1) R0
123	23761.63(11)	16.7(8)			151	23721.96(7)	15.7(8)		
124	23760.43(12)	12.4(6)			152	23721.20(15)	4.2(8)		
125	23759.51(11)	13.4(6)			153	23720.04(6)	36(4)		
126	23758.39(12)	11.6(6)			154	23719.54(4)	292(5)	23719.55	S- 3E-2B (2-1) Q3
127	23757.52(12)	11.6(7)			155	23718.18(7)	9.2(7)		
128	23756.55(12)	15.5(7)			156	23717.33(9)	9.4(7)		
129	23755.76(13)	10.6(7)			157	23716.38(10)	16(3)		
130	<b>23754.95(12)</b>	14.4(7)		<b>T+ 4c-2a (1-0) P4</b> S+ 3E-2B (1-0) R8 S+ GK-2B (4-0) R1	158	23715.86(7)	28(3)		S 3A-2B (3-4) R3
131	23751.17(5)	11.2(5)			159	23714.90(7)	8.8(6)		
132	23748.45(5)	11.7(5)	23748.42		160	23713.19(4)	22.7(5)	23713.24	S+ 3E-2B (2-1) P6
133	23746.63(4)	83.3(7)	23746.63		161	23711.83(5)	26.6(7)	23711.79	S+ GK-2B (8-3) P4
134	23745.76(8)	7.5(6)			162	23711.02(10)	8.0(7)		
135	23742.57(5)	18.5(5)	23742.56	S+ GK-2B (8-3) P3	163	23710.13(6)	19.4(7)	23710.14	
136	23741.35(4)	59.3(5)	23741.34		164	23709.26(5)	15.5(6)	23709.27	
137	23740.22(3)	162.3(6)	23740.23	S- 3E-2B (2-1) Q4	165	23706.62(7)	12.3(11)		
					166	23705.94(4)	81.0(10)	23705.94	
					167	<b>23704.97(7)</b>	25(2)		<b>T+ 4c-2a (1-0) P5</b>

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
168	23704.41(4)	129(2)	23704.42	S- 3E-2B (2-1) Q2	198	23672.91(7)	18.6(6)	23672.91	
169	23703.26(7)	40(6)			199	23672.03(13)	13(3)		S- 4E-2C (5-1) P3
170	23702.86(4)	105(6)	23702.89	S- 3E-2B (4-4) Q5	200	23671.59(9)	20(3)		S 3A-2B (3-4) R2
171	23701.63(6)	13.0(7)			201	23670.35(5)	190.0(6)	23670.37	S+ 3E-2B (2-1) P3
172	23700.82(8)	9.9(7)			202	23669.18(8)	8.8(6)		
173	<b>23699.78(10)</b>	25(4)		<b>T+ 4c-2a (2-1) R2</b>	203	23668.29(8)	10.2(6)		
174	23699.24(5)	84(4)	23699.27		204	23666.91(6)	28.5(6)	23666.91	
175	23698.25(5)	32.3(8)	23698.22		205	23666.03(6)	48.2(6)	23666.03	S+ 3E-2B (2-1) P2
176	23696.78(6)	12.1(6)			206	23663.97(19)	1.5(5)		
177	23695.69(6)	12.5(6)		S+ 3F-2B (1-0) R1	207	23661.55(7)	13.9(5)		
178	23694.55(3)	174.9(7)	23694.50	S- 3E-2B (2-1) Q1	208	23660.60(8)	8.2(5)		
179	23692.94(6)	12.9(7)			209	23659.24(9)	8.3(6)		
180	23691.91(3)	208.4(8)	23691.89	S+ 3E-2B (2-1) P5	210	23658.46(8)	14.0(5)		
181	23690.64(4)	38.7(6)	23690.67	S+ 3F-2B (1-0) P6	211	<b>23657.47(7)</b>	25.3(6)		<b>T+ 4c-2a (2-1) R0</b>
182	23689.52(8)	8.7(6)			212	23656.77(6)	29.8(7)		
183	23688.35(7)	9.5(6)			213	23655.15(6)	25.3(5)	23655.23	
184	23687.18(7)	12.5(8)			214	23653.82(7)	26.4(14)	23653.84	
185	23686.28(7)	20.9(10)	23686.20		215	23653.30(7)	35.7(14)	23653.39	
186	23685.47(11)	10.9(10)			216	23652.04(5)	172.9(5)	23652.02	S- 3E-2B (4-4) Q3
187	23684.48(10)	23(3)			217	<b>23650.76(6)</b>	27.1(5)	23650.70	<b>T+ 4c-2a (1-0) P6</b>
188	23683.89(7)	31(3)		S+ 3E-2B (4-4) R1	218	23649.73(12)	3.5(5)		
189	23682.87(4)	62.1(7)	23682.83		219	23648.27(6)	61.0(5)	23648.27	
190	23681.73(9)	12.1(11)			220	23647.40(8)	11.2(5)		S+ GK-2B (5-1) R7
191	<b>23680.87(10)</b>	22(3)	23680.84	<b>T+ 4c-2a (2-1) R1</b>	221	23646.34(6)	43.5(5)	23646.31	
192	23680.29(4)	94(3)	23680.33	S+ 3E-2B (2-1) P4	222	23645.21(11)	4.0(5)		
193	23679.10(4)	84.2(11)			223	23644.27(10)	5.3(5)		
194	23678.36(6)	23.9(12)			224	23643.03(8)	17.2(10)	23643.08	
195	23677.09(6)	10.9(6)			225	23642.38(7)	46.9(8)	23642.34	
196	23674.55(6)	77.9(9)	23674.57	S- 3E-2B (4-4) Q4	226	23641.66(12)	10.8(10)		
197	23673.91(8)	14.7(9)	23673.96		227	23641.06(9)	14.5(12)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
228	23640.02(6)	32.9(6)			258	23604.55(11)	9.7(10)	23604.66	
229	23639.31(6)	123.2(7)	23639.23		259	23603.10(8)	24.2(6)	23603.00	
230	<b>23637.95(7)</b>	17.0(5)	23637.98	<b>T+ 4b-2a (2-0) R2</b>	260	23602.16(7)	124.8(7)	23602.18	
231	23636.52(7)	11.7(5)	23636.47		261	23600.62(10)	7.6(6)		
232	23635.24(6)	72.8(5)	23635.21	S- 3E-2B (4-4) Q2	262	<b>23599.45(11)</b>	18(3)	23599.27	<b>T- 4c-2a (2-1) Q3</b>
233	23633.99(8)	8.3(5)			263	23598.96(9)	34(3)	23598.86	
234	23633.01(6)	41.9(7)	23632.95		264	23598.00(7)	34.7(6)	23598.07	S+ 3E-2B (4-4) P3
235	23632.21(9)	9.6(5)			265	23596.77(8)	15.7(6)	23596.86	
236	23631.23(13)	10.4(10)		S+ 3F-2B (2-2) R5	266	23595.31(7)	42.8(6)	23595.20	
237	23630.48(8)	21.5(11)			267	23594.52(8)	14.2(5)	23594.54	
238	23629.43(11)	6.5(6)			268	23593.57(7)	60.1(6)	23593.59	
239	<b>23628.35(8)</b>	12.0(6)		<b>T+ 4b-2a (2-0) R1</b>	269	23592.28(8)	19.1(6)	23592.26	
240	23626.91(8)	18.6(8)		S+ GK-2B (4-0) P4	270	23590.96(10)	12.0(8)		
241	23626.08(9)	15.5(8)			271	23590.29(7)	41.2(7)	23590.36	
242	23625.22(11)	9.1(8)			272	23589.34(9)	10.1(5)		
243	23624.03(6)	129.1(12)	23624.00	S- 3E-2B (4-4) Q1	273	23588.36(10)	12.3(9)		
244	23623.35(6)	66.1(12)	23623.38		274	23587.74(7)	39.8(9)	23587.68	
245	23621.88(7)	17.8(6)			275	23586.18(11)	4.5(5)		
246	23620.95(7)	17.6(6)			276	23585.01(15)	3.9(7)		
247	23619.62(7)	27.2(6)	23619.64	S 3A-2B (3-4) R0	277	23584.31(8)	22.5(7)	23584.34	S- 3F-2B (2-2) Q7
248	23617.31(7)	42.3(6)	23617.29		278	23583.31(7)	39.8(7)	23583.28	
249	23616.29(9)	12.2(6)			279	23582.59(13)	8.7(8)		
250	23615.39(9)	12.7(6)			280	23581.94(8)	23.9(9)	23581.91	
251	<b>23614.34(8)</b>	39.6(8)	23614.32	<b>T- 4c-2a (2-1) Q2</b>	281	23580.56(7)	25.9(5)	23580.55	S 3A-2B (3-4) P6
252	23613.62(8)	28.6(8)	23613.67		282	<b>23579.39(7)</b>	100.1(6)	23579.42	<b>T- 4c-2a (2-1) Q4</b>
253	23612.46(8)	22.2(6)	23612.46		283	23578.62(7)	41.7(6)	23578.75	
254	<b>23610.50(9)</b>	9.3(6)		<b>T+ 4b-2a (2-0) R0</b>	284	23577.80(11)	12.7(8)		
255	23608.85(10)	6.4(6)			285	23577.16(13)	7.4(9)		
256	23607.01(11)	5.9(6)			286	23576.19(7)	37.3(5)	23576.22	
257	23605.21(8)	23.0(10)	23605.26	S+ 3E-2B (4-4) P2	287	23574.95(10)	5.6(5)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
288	23573.29(9)	8.2(5)			318	23541.65(9)	5.8(5)		
289	23572.05(8)	16.5(6)			319	23540.64(6)	34.5(6)	23540.67	
290	23571.25(10)	9.0(6)			320	23539.95(15)	3.1(6)		
291	23570.19(9)	9.5(5)			321	23538.95(6)	28.2(5)	23538.90	
292	23568.93(7)	34.1(5)	23568.91	S+ GK-2B (5-1) R4	322	23537.94(6)	21.4(5)	23538.01	
293	23567.84(8)	12.8(5)		S 3A-2B (3-4) P2	323	23537.04(9)	11.4(10)		
294	23566.90(9)	9.5(5)			324	23536.45(19)	3.4(9)		
295	23565.82(7)	78.0(5)			325	23535.60(13)	3.8(5)		
296	23564.86(10)	9.2(5)			326	23534.62(9)	8.5(6)		S- 4E-2B (0-4) Q3
297	23564.03(8)	22.4(5)	23563.95		327	23533.92(9)	7.7(6)		
298	23562.88(7)	306.4(11)	23562.92		328	23532.97(5)	100.8(5)	23533.00	
299	23561.97(8)	18.8(6)			329	23532.07(8)	12.0(7)		
300	23561.10(9)	10.2(5)			330	23531.41(6)	26.0(7)	23531.47	
301	23560.14(7)	42.9(5)	23560.14		331	23530.27(6)	77.2(10)	23530.26	
302	23558.75(11)	9.8(9)			332	23529.71(5)	166.8(10)	23529.72	S- 4E-2B (0-4) Q2
303	23557.51(9)	16.3(9)			333	23528.69(9)	7.1(5)		
304	23556.55(7)	49.7(9)	23556.50	S 3A-2B (3-4) P3	334	23527.80(7)	14.8(6)		
305	23555.26(8)	55.0(13)	23555.24		335	23527.00(5)	151.8(8)	23527.07	S+ GK-2B (9-4) R1
306	<b>23554.51(8)</b>	47.6(12)	23554.53	<b>T- 4c-2a (2-1) Q5</b>	336	23526.39(6)	39.5(9)	23526.45	S+ GK-2B (9-4) R2
307	23553.65(13)	27(4)	23553.76	S+ 3F-2B (4-5) R1	337	23525.09(5)	220.1(7)	23525.11	S+ GK-2B (5-1) R3
308	23553.15(14)	18(4)			338	23523.83(8)	9.6(6)		
309	23551.97(7)	107.8(9)	23551.98		339	23523.02(12)	7.2(8)		
310	23550.96(10)	14.2(9)			340	23522.30(13)	9.2(9)		
311	23549.77(10)	12.2(9)			341	23521.63(9)	24.2(10)	23521.60	
312	23548.66(10)	12.7(9)			342	23520.99(6)	114.5(12)	23521.00	S+ GK-2B (9-4) R3
313	23547.61(9)	17.0(9)							S+ GK-2B (9-4) R0
314	23546.53(7)	64.5(9)	23546.50	S- 3F-2B (4-5) Q3	343	23520.20(13)	5.8(7)		
315	23545.52(9)	15.4(9)			344	<b>23519.37(8)</b>	21.1(11)		<b>T+ 4c-2a (2-1) P3</b>
316	23544.27(6)	140.1(7)	23544.24		345	23518.80(13)	6.2(12)		
317	23542.94(11)	3.2(5)			346	23516.57(14)	3.6(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
347	23515.82(10)	7.9(6)			375	23489.49(10)	7.8(8)		
348	23514.88(5)	106.7(6)	23514.87	S+ GK-2B (5-1) R2	376	23488.67(8)	13.2(8)		
349	23513.81(9)	11.5(9)			377	23487.31(5)	141.2(7)	23487.29	
350	23513.16(10)	12.6(8)			378	23486.21(5)	286.6(9)	23486.24	
351	23512.35(6)	187(2)	23512.32	S- 3F-2B (2-2) Q6	379	23485.29(8)	14.4(8)		
				S+ GK-2B (9-4) R4	380	23484.19(9)	10.4(7)		
				S+ GK-2B (5-1) R1	381	23483.02(8)	12.0(8)		
352	23511.85(14)	7(2)			382	23482.07(9)	9.6(8)		
353	<b>23509.87(8)</b>	9.1(6)	23509.86	<b>T+ 4b-2a (2-0) P2</b>	383	23480.91(7)	26.9(9)	23480.86	
354	23509.08(6)	44.9(6)	23509.08	S+ 3E-2B (1-0) R5	384	23480.13(10)	11.1(9)		
355	23508.14(6)	39.5(8)	23508.16	S+ GK-2B (5-1) R0	385	23479.15(6)	40.8(8)	23479.13	S+ GK-2B (5-1) P1
356	23507.44(8)	16.5(7)	23507.51		386	23478.09(9)	10.5(7)		
357	23506.62(9)	8.4(6)			387	23476.93(7)	28.6(8)	23476.93	
358	23505.74(10)	6.2(6)			388	23476.04(8)	12.2(8)		
359	23504.33(10)	4.7(5)			389	23474.97(7)	26.1(7)	23474.84	
360	23503.18(7)	12.1(6)			390	<b>23474.03(6)</b>	117.7(7)	23474.09	T+ 4c-2a (2-1) P4
361	23502.33(9)	8.9(6)			391	23472.92(6)	27.0(6)	23472.98	
362	23501.48(8)	11.1(6)			392	23471.68(8)	10.5(6)		
363	23500.57(8)	15.0(9)			393	23470.60(8)	11.5(7)		
364	23499.95(6)	85.5(10)	23499.99		394	23469.55(6)	31.1(7)	23469.47	
365	23498.54(10)	5.2(6)			395	23468.62(6)	94.5(7)	23468.64	
366	23497.65(8)	10.9(6)			396	23467.35(6)	29.9(5)	23467.45	
367	23496.79(8)	12.5(7)			397	23466.19(9)	7.3(5)		
368	23496.04(7)	21.6(7)	23495.97		398	23465.04(9)	7.8(5)		
369	23495.20(8)	9.1(6)			399	23463.70(8)	13.5(6)		
370	23494.03(5)	227(2)	23494.01		400	23462.71(9)	9.4(6)		
371	23493.57(6)	129(2)	23493.52		401	23461.73(10)	7.1(6)		
372	23492.64(7)	18.2(6)			402	<b>23460.79(7)</b>	20.6(6)	23460.83	S 4D-2B (0-4) R5
373	23491.70(6)	29.5(6)	23491.57	S+ GK-2B (9-4) P1					<b>T+ 4b-2a (2-0) P3</b>
374	23490.87(6)	25.7(6)	23490.86		403	23459.83(10)	10.9(7)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
404	23459.07(8)	21.6(8)	23459.10		434	23428.26(7)	23.9(9)		
405	23458.08(9)	9.6(6)			435	23427.38(9)	13.0(8)		
406	23456.91(8)	10.5(6)			436	23426.47(8)	13.3(8)		S- 4E-2B (1-6) Q5
407	23455.94(9)	8.9(6)			437	23425.13(7)	18.9(8)		
408	23454.01(8)	16.9(9)			438	23424.33(6)	48.6(6)	23424.31	
409	23453.26(8)	15.0(9)			439	23422.78(9)	12.4(5)		
410	23452.07(6)	52.6(9)	23452.01		440	23421.39(10)	8.9(5)		
411	23451.29(7)	26.3(9)	23451.26	S+ GK-2B (5-1) P2	441	23419.63(9)	10.7(5)		
412	23450.41(9)	12.5(8)			442	23417.93(7)	29.1(5)		S+ GK-2B (5-1) P3
413	23449.56(9)	11.4(8)		S- 3F-2B (2-2) Q5	443	23416.24(7)	23.1(5)	23416.28	
414	23446.83(10)	7.6(8)			444	23414.49(8)	17.0(5)		
415	23445.94(10)	9.9(8)			445	23413.14(7)	30.1(5)		
416	23445.12(8)	14.8(8)			446	23411.62(7)	21.5(5)		S 4D-2B (0-4) R0
417	23444.22(9)	12.6(8)			447	23410.17(8)	16.6(5)		S 4D-2B (0-4) R3
418	23443.38(8)	17.7(8)			448	23408.75(8)	21.1(5)		
419	23442.40(8)	11.1(8)			449	23407.34(10)	9.5(5)		
420	23441.09(8)	12.0(8)		S+ GK-2B (9-4) P3	450	23405.78(6)	19.4(6)	23405.74	
421	23439.97(6)	44.1(8)	23439.96	S+ 3E-2B (1-0) R4	451	23404.64(6)	11.5(5)		
422	23438.92(6)	103(2)	23438.91	S- 3E-2B (3-3) Q8	452	23403.67(10)	4.1(5)		
423	23438.41(6)	74(2)	23438.38		453	23402.59(6)	10.9(7)		S 4D-2B (0-4) R1
424	23437.48(9)	10.7(8)			454	23401.86(6)	15.2(7)		
425	23436.57(7)	26.4(9)	23436.58		455	23400.93(6)	9.8(5)		
426	23435.77(14)	4.8(8)			456	23399.74(5)	20.4(6)		
427	23434.76(10)	8.8(8)			457	23398.90(5)	19.7(6)		
428	23433.92(9)	12.2(8)			458	23398.08(6)	9.8(6)		
429	23432.80(5)	485.9(11)	23432.80	S- 3E-2B (1-0) Q9	459	23397.01(8)	5.5(5)		
430	23431.88(7)	26.2(8)			460	23395.98(5)	27.6(16)		
431	23430.83(9)	11.2(8)			461	23395.47(7)	14.2(16)		
432	23429.92(8)	16.3(8)		S 4D-2B (0-4) R4	462	23394.36(8)	6.6(6)		
433	23429.01(8)	18.2(9)			463	23393.50(5)	14.7(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
464	23392.48(7)	7.7(6)			494	23356.82(9)	9.0(13)		
465	23391.65(7)	8.7(6)			495	23355.30(11)	8.5(14)		
466	23390.60(3)	229.6(7)	23390.58	S- 3E-2B (3-3) Q7	496	23354.42(8)	15.3(14)		S- 4E-2B (1-6) Q1
467	23389.45(6)	9.3(5)							S+ 3F-2B (2-2) R1
468	23388.41(7)	7.4(6)			497	23353.47(9)	13.9(15)		
469	23387.61(8)	5.8(6)			498	23352.69(7)	18.3(15)		
470	23383.76(5)	40.7(10)	23383.85		499	23348.76(4)	136.8(13)	23348.73	S- 3E-2B (3-3) Q6
471	23383.04(4)	85.0(10)		S+ GK-2B (6-2) R3	500	23347.21(7)	19.5(13)		S+ 3F-2B (2-2) P6
472	23381.71(5)	15.8(8)			501	23346.34(8)	13.5(13)		
473	23380.46(4)	29.6(8)	23380.45		502	<b>23344.51(6)</b>	22.8(13)	23344.52	<b>T- 4c-2a (3-2) Q1</b>
474	23378.97(4)	284.4(13)	23378.96	S- 3E-2B (1-0) Q8	503	23342.01(8)	12.0(13)		S+ 3E-2B (1-0) P9
475	23378.12(5)	57.3(15)			504	23339.39(4)	48.8(9)	23339.42	
476	23377.53(8)	14.9(19)		S+ GK-2B (6-2) R2	505	23336.72(9)	3.9(6)		
477	<b>23376.33(5)</b>	21.3(8)	23376.33	<b>T+ 4c-2a (3-2) R0</b>	506	<b>23334.67(4)</b>	42.8(9)	23334.68	<b>T- 4c-2a (3-2) Q2</b>
478	23375.09(7)	16.8(13)			507	23333.62(7)	10.3(9)		
479	23374.47(5)	31.2(13)	23374.46		508	23332.50(3)	660.5(11)	23332.51	S- 3E-2B (1-0) Q7
480	23371.96(4)	65.2(10)	23371.92	S+ GK-2B (6-2) R1	509	23331.25(4)	42.1(9)	23331.28	
481	23371.23(4)	100.6(10)	23371.23	S+ 3E-2B (1-0) R3	510	23330.23(8)	5.4(6)		
482	23369.61(7)	10.5(9)			511	23329.32(8)	5.4(6)		
483	23368.79(8)	8.9(8)			512	23328.24(7)	6.9(6)		
484	23367.78(8)	9.9(8)		S+ GK-2B (9-4) P5	513	23326.92(4)	26.5(6)		
485	23366.94(10)	6.5(8)			514	23325.77(7)	7.4(6)		S+ GK-2B (9-4) P6
486	23364.66(5)	29.7(8)	23364.66	S+ GK-2B (5-1) P6	515	23324.27(5)	17.1(6)	23324.29	S+ WZ-2B (0-3) R2
487	23363.68(10)	7.6(9)			516	23322.93(8)	4.9(6)		
488	23362.90(6)	15.8(9)			517	23320.79(8)	7.5(8)		
489	23361.88(7)	15.4(11)			518	<b>23319.96(5)</b>	29.5(8)	23319.94	<b>T- 4c-2a (3-2) Q3</b>
490	23361.20(7)	15.8(11)			519	23319.15(4)	83.3(8)	23319.19	S+ 3E-2B (1-0) R2
491	23359.93(5)	18.0(8)		S+ GK-2B (6-2) R0	520	23317.18(7)	9.7(7)		
492	23358.96(8)	8.3(8)			521	23315.12(6)	18.2(10)		
493	23358.03(8)	7.7(8)			522	23314.46(8)	10.2(10)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
523	23313.29(3)	305.9(9)	23313.29	S- 3E-2B (3-3) Q5	553	23276.92(8)	11.4(10)		
524	23312.30(5)	23.3(8)			554	<b>23276.18(5)</b>	30.9(9)	23276.20	<b>T- 4c-2a (3-2) Q5</b>
525	23311.18(5)	31.4(8)	23311.19	S+ EF-2B (32-1) R1	555	23275.28(6)	12.9(8)		
526	23310.31(8)	7.7(8)			556	23274.24(8)	7.7(8)		
527	23307.98(5)	19.5(7)	23308.01	S+ 3F-2B (2-2) P5	557	23273.18(6)	16.2(9)		
528	23306.13(7)	9.9(8)			558	23272.40(7)	12.8(9)		S+ EF-2B (32-1) P1
529	23305.07(4)	32.1(8)	23305.03	S+ GK-2B (6-2) P2	559	23271.31(6)	20.9(10)		
530	23303.81(4)	52.6(8)	23303.79	S+ 3E-2B (3-3) R1	560	23270.60(6)	17.6(10)		
531	23302.07(4)	27.5(7)	23302.09		561	23269.60(6)	12.2(8)		
532	<b>23300.47(4)</b>	73.7(8)	23300.46	<b>T- 4c-2a (3-2) Q4</b>	562	23268.56(7)	9.7(8)		
533	23299.49(7)	9.3(8)			563	23267.66(7)	13.1(9)		
534	23297.64(4)	32.3(7)			564	23266.79(4)	201(4)	23266.78	S+ 3E-2B (1-0) R1
535	23295.57(5)	15.9(8)		S+ 3E-2B (1-0) P8	565	23266.37(4)	160(5)	23266.35	
536	23294.58(5)	19.3(8)			566	23265.25(6)	9.3(8)		
537	23293.34(3)	391.4(10)	23293.30	S- 3E-2B (1-0) Q6	567	23263.75(4)	32.2(8)	23263.72	S+ 3E-2B (3-3) R0
538	23292.52(5)	24.9(9)			568	23262.83(6)	22(2)		
539	23290.79(4)	49.8(8)	23290.80		569	23262.33(4)	50(2)		
540	23289.85(6)	15.5(8)			570	23260.98(3)	1113.0(14)	23260.97	S- 3E-2B (1-0) Q5
541	23288.75(6)	11.9(8)							S- 3E-2B (3-3) Q3
542	23286.71(8)	7.5(8)			571	23260.19(4)	47.9(11)		
543	23285.77(6)	12.1(8)			572	23259.01(6)	17.0(13)		
544	23284.58(7)	37(6)			573	23258.38(6)	19.1(12)		
545	23284.21(4)	207(6)		S- 3E-2B (3-3) Q4	574	23257.56(9)	7.1(9)		
546	23283.21(6)	16.7(9)			575	23256.47(7)	8.9(8)		
547	<b>23282.43(5)</b>	41.1(9)	23282.49	<b>T+ 4c-2a (3-2) P2</b>	576	23255.32(3)	171.2(8)	23255.32	
548	23281.53(6)	16.1(8)			577	23254.28(6)	23(2)		
549	23280.53(4)	70.2(9)	23280.46	S+ GK-2B (6-2) P3	578	23253.79(5)	30(2)	23253.78	
550	23279.69(6)	22.7(11)			579	23250.31(3)	78.4(8)	23250.31	S+ GK-2B (6-2) P4
551	23279.02(5)	24.6(11)			580	23249.24(8)	7.6(8)		
552	23277.88(4)	71.9(8)	23277.82		581	23248.43(5)	14.6(8)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
582	<b>23247.22(3)</b>	50.4(8)	23247.22	S+ EF-2B (32-1) P2	610	23212.35(3)	55.4(9)	23212.32	S+ 3E-2B (3-3) P2
				<b>T- 4c-2a (3-2) Q6</b>	611	23211.58(6)	13.1(9)		
583	23245.76(3)	450.4(8)	23245.76		612	23210.44(5)	39.5(9)	23210.44	
584	23244.62(9)	6.3(9)			613	23208.29(13)	6.3(10)		
585	23243.79(3)	294.4(14)	23243.86	S- 3E-2B (3-3) Q2	614	23207.48(13)	5.8(10)		S- 3E-2B (1-0) Q2
586	23243.21(4)	46.2(14)			615	23205.82(9)	10.9(9)		
587	23242.32(3)	64.0(8)	23242.34		616	23203.98(6)	106.2(9)	23203.92	
588	23241.38(3)	61.2(8)	23241.41		617	23201.98(8)	23.9(12)		
589	23237.50(4)	18.1(8)			618	23201.23(6)	382(2)	23201.26	S+ WZ-2B (0-3) P4
590	23236.34(5)	17.0(8)			619	23200.69(8)	40(2)		S- 3E-2B (5-6) Q6
591	23235.17(3)	443.2(8)	23235.16	S- 3E-2B (1-0) Q4	620	<b>23198.75(6)</b>	41.6(9)	23198.76	<b>T+ 4c-2a (3-2) P4</b>
592	23234.01(4)	17.8(8)							
593	23232.51(3)	152.3(9)	23232.50	S- 3E-2B (3-3) Q1	621	23197.84(10)	8.4(9)		S+ 3E-2B (1-0) P5
594	23231.70(8)	13.3(15)			622	23196.65(6)	452.6(10)	23196.66	
595	23231.15(3)	104.3(16)	23231.16		623	23195.67(6)	43.7(9)	23195.63	
596	23230.07(7)	8.1(8)			624	23194.51(8)	14.9(9)		
597	23228.34(3)	251.9(8)	23228.34	S+ 3E-2B (1-0) P6	625	23192.17(6)	407.6(10)	23192.20	S- 3E-2B (1-0) Q1
598	23226.88(4)	21.4(8)			626	23189.71(8)	14.0(10)	23189.72	S+ 3E-2B (1-0) P4
599	23225.82(6)	11.6(8)			627	23188.37(13)	8.0(13)		
600	23224.79(5)	20.7(9)			628	23187.69(12)	8.9(12)		
601	23223.85(7)	7.8(8)			629	23186.17(6)	45.5(10)	23186.22	
602	23221.65(3)	104.8(10)	23221.65	S+ 3E-2B (1-0) R0	630	23182.52(6)	247.2(11)	23182.51	S+ 3E-2B (1-0) P3
603	23220.89(8)	9.9(10)			631	23180.12(7)	37.0(10)	23180.16	
604	23220.07(3)	79.4(9)	23220.04	S+ GK-2B (6-2) P5	632	23175.93(8)	26.0(13)	23175.85	
605	23217.47(5)	17.6(9)			633	23175.27(6)	83.8(13)	23175.36	
606	23216.64(6)	13.6(9)			634	23173.27(11)	8.2(10)		S+ 3E-2B (1-0) P3
607	23215.43(3)	869.6(11)	23215.40	S+ 3E-2B (3-3) P3	635	23172.23(6)	50.7(10)	23172.17	
				S- 3E-2B (1-0) Q3	636	23171.36(7)	23.2(10)	23171.32	
608	23214.44(5)	25.0(9)			637	23169.87(12)	6.0(10)		
609	23213.65(4)	24.3(9)			638	23168.68(6)	405.9(12)	23168.66	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
639	<b>23167.49(8)</b>	17.5(10)		<b>T+ 5c-2a (0-1) R2</b>	668	23128.87(11)	5.2(6)		
640	23166.04(6)	94.8(10)	23166.00	S+ GK-2B (7-3) R2	669	23126.23(6)	63.3(6)	23126.25	
641	23163.77(8)	18.1(10)			670	23124.77(9)	8.0(6)		
642	23162.73(6)	135(3)			671	23123.51(6)	75.5(7)	23123.47	
643	23162.27(7)	62(3)			672	<b>23122.56(8)</b>	15.0(6)	23122.68	<b>T+ 4c-2a (4-3) R1</b>
644	23160.93(8)	14.2(10)			673	23121.48(7)	31.1(6)	23121.61	
645	23159.83(6)	146.4(11)	23159.78	S+ GK-2B (7-3) R1	674	23119.43(9)	7.8(7)		
646	23157.97(7)	36.9(7)	23158.05		675	23117.89(9)	8.3(7)		
647	<b>23156.98(7)</b>	29.3(7)	23156.99	<b>T+ 4c-2a (4-3) R4</b>	676	23116.84(8)	16.4(8)		
648	23155.85(11)	9.9(9)			677	23116.03(9)	16.1(9)		
649	23154.94(8)	32.3(11)	23154.86		678	<b>23115.32(9)</b>	13.0(9)		<b>T+ 5c-2a (0-1) R0</b>
650	23154.19(9)	18.7(12)			679	23114.08(6)	183.9(8)	23114.13	
651	23152.98(6)	123.2(8)	23152.90		680	23112.83(9)	9.8(7)		S- 3F-2B (3-4) Q5
652	23151.76(9)	12.4(7)			681	23111.71(8)	16.0(7)		
653	<b>23150.45(7)</b>	36.7(7)	23150.56	<b>T+ 4c-2a (4-3) R3</b>	682	23110.56(9)	9.3(7)		
654	23149.40(7)	25.3(7)	23149.52		683	23109.50(6)	94.6(11)	23109.39	
655	23148.23(10)	9.3(7)			684	23108.85(7)	53.6(10)		S+ GK-2B (7-3) P2
656	23146.82(6)	45.0(7)	23146.79		685	23108.14(6)	108.7(10)	23108.10	
657	23145.68(9)	13.0(8)			686	23105.74(6)	91.5(7)	23105.73	
658	23144.79(8)	19.1(8)			687	23104.69(6)	46.5(7)	23104.68	S 3A-2B (2-3) R2
659	23143.45(6)	68.9(7)	23143.46		688	23103.78(6)	63.9(7)	23103.80	
660	23142.01(6)	60.0(7)	23141.99		689	23102.69(9)	10.0(7)		
661	23140.63(8)	14.8(7)			690	<b>23101.66(7)</b>	29.7(7)	23101.60	<b>T+ 4c-2a (4-3) R0</b>
662	<b>23139.11(7)</b>	32.8(6)	23139.12	<b>T+ 4c-2a (4-3) R2</b>	691	23099.71(10)	7.6(8)		
				S+ EF-2B (32-1) P5	692	23098.88(7)	36.6(9)	23098.81	
663	23133.83(10)	13.3(12)			693	23098.16(10)	9.8(9)		
664	23133.21(7)	37.7(11)	23133.17	S- 3E-2B (5-6) Q4	694	23097.08(6)	183.3(8)	23097.06	
665	23132.36(6)	66.8(8)	23132.35		695	23095.46(9)	10.0(7)		
666	23131.23(10)	6.9(6)			696	23094.04(8)	14.6(7)		
667	23129.97(8)	14.8(6)	23130.00		697	23093.11(9)	10.2(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
698	23092.01(7)	29.2(8)	23092.01	S- 3E-2B (5-6) Q2	728	23054.47(5)	49.6(10)	23054.57	<b>T- 4c-2a (4-3) Q3</b>
699	23090.28(8)	18.0(7)			729	23053.06(7)	16.1(10)		
700	23088.75(6)	51.6(8)	23088.74		730	23051.62(7)	19.6(10)	23051.61	
701	23087.67(6)	85.0(10)	23087.70		731	23048.92(10)	8.7(10)		
702	23086.80(10)	12.9(10)			732	<b>23047.02(5)</b>	36.9(10)	23046.98	
703	23085.49(7)	50.5(8)	23085.50		733	23045.84(6)	25.1(10)		
704	23084.45(10)	21.9(15)			734	23043.85(7)	18.8(11)	23043.83	
705	23083.75(10)	19.5(16)			735	23042.74(8)	13.7(11)		
706	23082.61(10)	11.9(8)			736	23041.35(7)	21.3(12)		
707	23081.40(6)	65.9(8)	23081.42		737	<b>23040.34(6)</b>	65.8(19)		
708	23080.28(7)	44.5(8)	23080.33	S- 3E-2B (5-6) Q1	738	23039.40(6)	389(45)		<b>T+ 5c-2a (1-2) R4</b> S- 3E-2B (2-2) Q9
709	23078.87(8)	16.2(8)			739	23038.78(5)	1583(45)	23038.81	
710	23077.71(9)	13.1(8)			740	23037.74(7)	89(5)		S+ EF-2B (29-0) R0 S+ EF-2B (29-0) R1 <b>T- 4c-2a (4-3) Q4</b>
711	23076.55(8)	20.3(8)			741	23036.80(6)	37.1(15)		
712	23075.01(6)	65.3(8)	23075.07		742	23035.43(7)	16.2(10)		
713	23073.98(8)	16.9(8)			743	23034.14(7)	15.9(10)		
714	23072.83(9)	14.2(8)			744	23032.55(4)	92.1(11)	23032.57	
715	23071.63(5)	176.1(11)	23071.65		745	23030.17(5)	45.1(11)	23030.14	
716	<b>23071.01(6)</b>	23.6(11)			746	23029.04(9)	14.6(11)		
717	23069.92(8)	8.4(8)			747	<b>23027.93(5)</b>	61.9(15)	23027.91	
718	23069.28(7)	11.9(8)			748	23027.10(8)	20.2(16)		
719	<b>23067.50(6)</b>	9.8(6)			749	23025.53(7)	11.3(8)		
720	23066.42(10)	5.0(6)		<b>T- 5c-2a (0-1) Q3</b>	750	23024.67(6)	14.9(8)		S+ 3F-2B (3-4) R1 <b>T+ 5c-2a (1-2) R3</b> <b>T- 5c-2a (0-1) Q6</b>
721	23065.63(8)	6.1(6)			751	<b>23023.65(6)</b>	15.6(7)		
722	23064.13(8)	5.9(6)							
723	23062.42(7)	6.9(6)			752	23021.67(6)	14.1(7)		
724	<b>23061.38(4)</b>	49.0(6)	23061.40		753	23020.56(7)	13.7(8)		
725	23059.91(4)	299.2(7)	23059.93		754	23019.77(9)	8.1(8)		
726	23057.15(6)	9.4(6)			755	23018.69(7)	11.6(7)		
727	23055.92(8)	15.3(10)			756	23017.55(4)	46.4(7)	23017.54	
				<b>T- 4c-2a (4-3) Q2</b>					S+ EF-2B (29-0) R2



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
757	23016.46(5)	23.0(7)	23016.43		786	22988.07(10)	10.1(11)		
758	23015.50(6)	15.7(7)			787	22986.77(7)	36.3(11)	22986.79	
759	23014.35(7)	9.3(7)			788	22985.78(10)	9.8(11)		S 3A-2B (2-3) P3
760	23013.31(6)	17.4(7)			789	22984.23(9)	12.5(11)		
761	23012.30(7)	10.4(7)			790	22983.39(7)	31.1(11)	22983.50	
762	23011.26(5)	23.4(8)			791	22982.31(6)	101.6(11)	22982.26	
763	23010.34(4)	165.4(9)	23010.31		792	22980.69(8)	19.7(11)	22980.61	
764	23009.14(7)	13.1(9)			793	22978.68(8)	18.9(11)	22978.78	
765	23008.40(5)	48.9(9)	23008.34		794	22977.40(9)	12.8(12)		S+ 3F-2B (3-4) P5
766	23007.36(5)	39.4(7)	23007.37		795	22976.61(10)	11.6(12)		S 3A-2B (2-3) P5
767	23006.34(6)	17.1(7)			796	<b>22975.77(6)</b>	62.5(12)	22975.76	<b>T- 4c-2a (4-3) Q6</b>
768	23005.29(7)	10.6(7)			797	22974.99(10)	10.3(12)		
769	<b>23004.21(5)</b>	39.1(7)		<b>T- 4c-2a (4-3) Q5</b>	798	22972.73(9)	14.2(13)		
770	<b>23003.23(5)</b>	63.6(7)	23003.28	<b>T+ 5c-2a (1-2) R2</b>	799	<b>22972.02(8)</b>	24.0(13)		<b>T+ 4c-2a (4-3) P3</b>
				S 3A-2B (3-5) R6	800	22970.69(6)	212.4(12)	22970.67	S- 3E-2B (4-5) Q8
771	23002.22(8)	8.8(6)							S+ EF-2B (29-0) R4
772	23001.23(9)	6.2(6)			801	22969.82(9)	17.0(13)		
773	23000.02(8)	11.9(6)			802	22969.14(10)	12.5(13)		
774	22999.15(11)	6.9(7)			803	22967.90(9)	13.3(11)		
775	22998.44(9)	9.9(7)			804	22966.92(5)	917.8(14)	22966.89	
776	22997.29(9)	7.2(6)			805	22965.84(8)	18.6(11)		
777	22995.93(6)	132.5(6)	22995.94	S+ EF-2B (29-0) R3	806	22964.90(9)	13.4(11)		
778	22994.79(8)	11.0(6)			807	22962.70(7)	26.8(11)	22962.68	
779	22993.89(10)	6.8(6)			808	22961.79(11)	8.7(11)		
780	22992.94(8)	12.3(6)			809	22960.60(10)	10.0(11)		
781	22991.96(6)	413(7)	22992.02		810	22959.76(12)	7.4(11)		
782	22991.50(6)	262(8)	22991.53		811	22958.53(10)	9.3(10)		
783	22990.63(11)	11.3(8)			812	22957.31(7)	28.9(10)	22957.24	
784	22989.94(10)	12.5(8)		S- 3F-2B (3-4) Q2	813	22956.11(7)	20.0(10)		
785	22989.24(9)	10.2(8)			814	22954.79(9)	13.5(10)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
815	22953.89(7)	30.5(10)			845	22924.32(12)	7.0(8)		
816	22952.71(6)	52.6(10)	22952.68		846	22923.22(10)	10.9(8)		
817	22951.66(8)	21.7(10)			847	22922.26(9)	13.5(8)		
818	22950.78(8)	40(2)	22950.77		848	22921.19(10)	24.5(18)		
819	22950.22(8)	43(2)	22950.30		849	22920.61(8)	82.2(16)	22920.54	S- 3E-2B (4-5) Q7
820	22949.48(8)	25.3(13)			850	22920.06(11)	19(2)		
821	22948.45(5)	443.3(11)	22948.45		851	22919.08(9)	20.8(8)	22919.01	
822	22947.12(7)	20.3(10)			852	22918.25(12)	7.3(8)		
823	22946.01(9)	12.6(10)			853	<b>22916.58(8)</b>	25.0(8)	22916.69	<b>T- 5c-2a (1-2) Q2</b>
824	22944.69(8)	32.1(10)	22944.62	S+ GK-2B (8-4) R1	854	22915.25(7)	154.9(8)	22915.23	S+ GK-2B (3-0) R4
825	22943.96(9)	17.0(11)			855	22914.35(10)	15.1(9)		
826	22943.11(7)	61.8(9)	22943.11	S 3A-2B (3-5) R5	856	22913.55(10)	19.6(9)		
827	<b>22942.19(9)</b>	19.2(8)		<b>T+ 5c-2a (0-1) P4</b>	857	22912.74(9)	59(3)	22912.76	
828	22941.25(8)	62.9(9)	22941.13	S+ 3E-2B (2-2) R3	858	<b>22912.25(9)</b>	44(2)	22912.30	<b>T- 4f-2c (0-0) R3</b>
829	22940.50(7)	421.3(11)	22940.47	S+ GK-2B (3-0) R5	859	22911.51(11)	10.2(11)		
830	22939.33(9)	14.5(8)			860	22909.58(8)	30.2(8)	22909.58	
831	22938.34(8)	23.2(8)			861	22908.76(9)	19.4(9)		
832	22937.39(8)	26.0(8)	22937.50		862	<b>22907.88(8)</b>	31.5(9)	22907.95	<b>T- 5c-2a (1-2) Q3</b>
833	22936.28(9)	16.7(8)		S+ GK-2B (8-4) R0	863	22907.12(10)	17.0(9)		
834	22935.22(11)	10.6(8)			864	22906.31(9)	30.9(13)	22906.34	S+ GK-2B (8-4) P1
835	22934.41(9)	19.1(8)	22934.56		865	22905.70(8)	46.2(13)	22905.55	
836	22933.37(8)	25.0(8)	22933.35		866	22904.92(8)	35.5(9)	22904.90	
837	22932.26(7)	188.9(8)	22932.28	S- 3E-2B (2-2) Q7	867	22903.54(7)	81.2(10)	22903.49	
838	22931.05(9)	18.3(8)	22931.05		868	22902.83(9)	27.6(10)	22902.86	
839	22930.20(9)	22.8(8)	22930.20		869	22901.98(8)	30.2(9)		
840	<b>22929.25(8)</b>	44.7(8)	22929.30	<b>T+ 4c-2a (4-3) P4</b>	870	<b>22901.13(7)</b>	789.8(11)	22901.04	T+ 5c-2a (0-1) P5 S+ GK-2B (3-0) R3
841	22928.40(10)	12.4(8)							
842	22927.53(10)	15.2(9)			871	22900.04(9)	18.3(8)		
843	22926.72(10)	19.1(9)			872	22899.19(11)	10.9(8)		
844	22926.01(9)	24.6(10)	22926.11		873	22898.27(11)	12.6(9)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
874	22897.51(9)	28.8(13)			903	22872.22(8)	20.0(8)	22872.31	
875	22896.90(7)	354.3(14)	22896.86	S+ GK-2B (3-0) R2	904	22871.57(12)	7.3(8)		
876	<b>22896.05(9)</b>	21.9(9)		T- 5c-2a (1-2) Q4	905	22870.56(8)	17.6(6)	22870.47	
877	22895.01(10)	10.7(8)			906	22869.28(11)	6.8(7)		
878	22894.04(9)	13.9(8)			907	22868.45(11)	9.1(8)		
879	22892.90(7)	455.0(9)	22892.86	S+ GK-2B (3-0) R1	908	22867.76(8)	24.8(8)	22867.82	
880	22891.86(9)	16.5(9)			909	22866.61(8)	14.7(6)	22866.68	
881	22891.07(7)	73.9(9)	22891.09	S+ 3E-2B (2-2) R2	910	22864.94(8)	20.7(8)	22864.90	
882	22890.08(10)	14.4(9)			911	22864.24(7)	60.9(7)	22864.24	
883	22889.29(7)	119.8(10)	22889.25	S- 3E-2B (2-2) Q6	912	22863.41(8)	24.2(7)	22863.40	
884	22888.52(9)	31.2(13)	22888.56		913	22862.54(11)	7.2(6)		S- 3F-2B (1-1) Q5
885	22887.89(11)	20.2(13)			914	<b>22861.49(10)</b>	6.9(6)		<b>T+ 5c-2a (2-3) R3</b>
886	22887.15(10)	14.0(10)			915	<b>22860.03(7)</b>	65.3(12)	22859.98	<b>T- 4f-2c (0-0) R2</b>
887	22886.19(7)	107.6(8)	22886.21	S+ GK-2B (3-0) R0	916	22859.47(8)	45.7(11)	22859.51	
888	22885.15(10)	11.9(9)			917	22858.58(7)	40.1(7)	22858.62	S+ GK-2B (8-4) P3
889	22884.39(8)	30.1(9)	22884.46	S+ GK-2B (8-4) P2	918	22857.78(12)	8.5(8)	22857.83	
890	22883.27(9)	15.7(8)			919	<b>22857.09(7)</b>	47.4(8)	22857.11	<b>T+ 4e-2c (0-0) R6</b>
891	<b>22882.36(8)</b>	39.7(13)	22882.25	<b>T+ 4c-2a (4-3) P5</b>	920	22856.18(15)	11(3)	22856.35	
892	<b>22881.75(7)</b>	97.4(13)	22881.68	<b>T- 5c-2a (1-2) Q5</b>	921	22855.79(10)	27(3)	22855.84	
893	22880.76(9)	23.7(10)		S+ EF-2B (29-0) P4	922	22854.24(7)	133.7(6)	22854.25	S+ GK-2B (3-0) P1
894	22880.02(11)	14.1(10)			923	22853.12(7)	230.9(7)	22853.12	S- 3E-2B (2-2) Q5
895	22879.18(7)	50.5(8)	22879.10		924	22851.71(10)	9.1(6)		
896	22878.33(11)	8.5(7)			925	22850.79(9)	13.3(7)		
897	22877.48(8)	62(4)	22877.57		926	22849.98(9)	10.7(7)		
898	<b>22877.08(9)</b>	46(4)	22877.08	<b>T+ 5c-2a (2-3) R4</b>	927	22848.92(7)	156.8(7)	22848.92	S 3A-2B (3-5) R3
				S- 3E-2B (4-5) Q6	928	22848.03(11)	8.0(7)		
899	22876.16(7)	167.1(7)	22876.19	S+ 3F-2B (1-1) R3	929	22847.20(10)	8.6(7)		
900	22875.09(7)	308.4(7)	22875.10		930	22846.34(8)	28.3(6)	22846.30	
901	22874.11(11)	7.6(6)			931	22845.12(10)	10.2(7)		
902	22873.21(9)	13.9(6)	22873.27		932	22844.34(10)	8.7(7)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
933	22843.42(7)	44.8(8)	22843.36		962	22816.02(11)	8.9(7)		
934	22842.74(7)	64.2(8)	22842.69	S+ 3E-2B (2-2) R1	963	<b>22815.14(7)</b>	80.5(7)	22815.12	T+ 4e-2c (0-0) R4
935	22841.96(13)	5.0(7)			964	22814.26(9)	15.1(7)		
936	22840.63(8)	34.7(13)	22840.60		965	22813.32(8)	24.7(7)	22813.43	
937	22840.10(7)	83.8(13)	22840.08	S- 3E-2B (4-5) Q5	966	22812.29(7)	167.6(9)	22812.27	
938	22839.03(10)	9.2(7)			967	<b>22811.50(9)</b>	21.3(8)		<b>T- 4f-2c (0-0) Q5</b>
939	22838.30(9)	14.2(7)			968	22810.45(12)	7.0(6)		
940	<b>22837.16(7)</b>	105.5(6)	22837.08	<b>T+ 4e-2c (0-0) R5</b>	969	22809.41(6)	150.3(9)	22809.39	S+ GK-2B (4-1) R1
941	22835.23(8)	19.8(6)							S- 3E-2B (4-5) Q4
942	22834.32(11)	6.9(6)			970	22808.09(8)	17.7(8)	22808.16	
943	22833.40(8)	34.2(10)	22833.43		971	22806.97(9)	13.2(9)		
944	<b>22832.80(10)</b>	11.3(10)		<b>T+ 4c-2a (5-4) R0</b>	972	<b>22806.16(7)</b>	65.3(9)		<b>T- 4f-2c (0-0) R1</b>
945	22831.58(8)	77(5)	22831.57		973	22804.98(10)	9.1(8)		
946	<b>22831.23(10)</b>	30(5)	22831.21	<b>T+ 4c-2a (4-3) P6</b>	974	<b>22804.05(8)</b>	24.7(8)		<b>T- 4c-2a (5-4) Q1</b>
947	22829.86(9)	19.0(9)	22829.88	S+ GK-2B (8-4) P4	975	22803.00(7)	25.0(8)	22803.08	S 3A-2B (3-5) R2
948	22829.14(13)	9.9(9)			976	22801.83(7)	29.9(8)		
949	22828.34(12)	7.9(8)			977	22800.44(6)	215.0(9)	22800.48	S- 3E-2B (2-2) Q3
950	22827.16(7)	99.9(6)	22827.14	S+ GK-2B (3-0) P2	978	22799.20(7)	38.4(8)	22799.29	
951	22826.09(7)	98(2)	22825.91		979	22797.70(10)	9.0(8)		
952	22825.51(10)	26.5(18)			980	<b>22796.68(7)</b>	55.4(9)	22796.66	S+ 3F-2B (4-6) R3
953	22824.74(7)	82.2(10)	22824.77						S+ GK-2B (4-1) R0
954	22823.61(8)	134(5)	22823.58	S- 3E-2B (2-2) Q4	981	22795.79(9)	14.0(9)	22795.79	
955	22823.18(8)	79(5)	22823.31	S+ GK-2B (4-1) R2	982	22794.75(6)	219.9(11)	22794.82	S+ GK-2B (3-0) P3
956	22822.31(13)	7.6(8)			983	22793.95(10)	18.1(11)		
957	<b>22821.38(8)</b>	18.1(6)	22821.39	S+ EF-2B (29-0) P5	984	22793.17(9)	21.1(12)		
				<b>T+ 5c-2a (2-3) R1</b>	985	22792.48(8)	23.6(13)		
958	22819.89(7)	69.3(7)	22819.83		986	<b>22791.25(6)</b>	229.2(9)	22791.21	<b>T- 4f-2c (0-0) Q4</b>
959	22818.96(9)	15.6(6)	22819.09						<b>T+ 4e-2c (0-0) R3</b>
960	22817.85(10)	10.8(7)			987	22789.16(7)	35.0(9)	22789.16	
961	22816.99(12)	7.2(7)			988	22788.04(7)	50.8(10)	22788.12	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
989	22787.20(9)	21.6(10)		S+ 3E-2B (4-5) R0	1018	22757.39(9)	12.0(8)	22757.37	
990	22786.37(8)	43.4(12)	22786.30		1019	22756.32(9)	12.7(8)	22756.31	
991	<b>22785.64(9)</b>	26.2(14)		<b>T+ 5c-2a (1-2) P4</b>	1020	22755.16(7)	84(4)	22755.15	
992	22785.00(7)	96.6(16)	22784.91	S- 3E-2B (4-5) Q3	1021	22754.70(8)	69(4)	22754.58	S- 3E-2B (4-5) Q1
993	22783.44(6)	83.7(9)	22783.45	S- 3E-2B (2-2) Q2	1022	22753.75(7)	55.3(14)	22753.78	
994	22782.34(6)	105.7(9)	22782.23		1023	22753.07(14)	12.2(13)		
995	22781.15(7)	41.3(10)	22781.09		1024	<b>22752.32(12)</b>	9.3(11)		<b>T- 5c-2a (2-3) Q3</b>
996	<b>22780.33(7)</b>	42.7(10)		<b>T- 4c-2a (5-4) Q3</b>	1025	22751.27(6)	90.9(8)	22751.27	S+ 3E-2B (2-2) P3
997	22779.40(9)	12.6(9)			1026	22749.71(7)	23.2(8)	22749.67	S 3A-2B (3-5) R0
998	22778.28(6)	103.5(9)	22778.25	S+ 3E-2B (2-2) P5	1027	22748.54(6)	90.5(8)	22748.58	
999	22776.77(8)	24.9(14)			1028	22746.82(9)	9.0(8)		
1000	22776.09(9)	32.3(18)			1029	<b>22745.92(8)</b>	14.8(9)		<b>T+ 4c-2a (5-4) P2</b>
1001	22775.51(8)	55(2)	22775.67		1030	<b>22745.17(5)</b>	102.4(9)	22745.15	S+ 3E-2B (2-2) P2
1002	22774.56(8)	21.6(9)	22774.56						<b>T- 4f-2c (0-0) Q2</b>
1003	22773.26(7)	41.0(9)	22773.35		1031	22743.83(5)	72.8(7)	22743.84	
1004	22772.34(6)	101.8(9)	22772.29	S- 3E-2B (2-2) Q1	1032	22742.75(5)	62.2(7)	22742.73	
1005	22771.05(12)	8.1(11)			1033	22741.70(5)	153.7(8)	22741.73	
1006	22770.27(10)	27.5(19)	22770.31		1034	<b>22740.73(7)</b>	18.0(7)		<b>T- 5c-2a (2-3) Q4</b>
1007	22769.68(9)	34.1(19)	22769.74		1035	22739.70(5)	44.2(7)	22739.71	S+ GK-2B (4-1) P2
1008	<b>22768.87(6)</b>	220.9(11)	22768.78	<b>T- 4f-2c (0-0) Q3</b>	1036	<b>22738.57(9)</b>	14.0(15)		<b>T- 4c-2a (5-4) Q5</b>
1009	22767.64(8)	22.6(9)	22767.71		1037	22738.00(6)	55.9(15)	22737.96	
1010	<b>22766.56(6)</b>	143.8(9)	22766.58	<b>T- 5c-2a (2-3) Q1</b>	1038	22736.93(7)	14.5(7)		S+ 3E-2B (4-5) P2
				S- 3E-2B (4-5) Q2	1039	<b>22735.96(5)</b>	148.1(8)	22735.99	<b>T+ 4e-2c (0-0) R1</b>
1011	<b>22765.22(7)</b>	80(3)	22765.11	<b>T+ 4e-2c (0-0) R2</b>	1040	22735.14(6)	35.7(8)	22735.15	
1012	22764.72(12)	16(2)			1041	22734.07(8)	10.9(7)		
1013	22763.72(6)	135.2(9)	22763.74	S+ 3E-2B (2-2) P4	1042	22732.75(7)	16.3(8)		
1014	22762.56(8)	29.7(10)	22762.62		1043	22731.99(8)	12.3(8)		
1015	22761.76(6)	86.0(10)	22761.78	S+ GK-2B (4-1) P1	1044	22730.97(6)	40.3(8)	22730.96	S+ 3E-2B (4-5) P3
1016	22760.27(6)	91.0(8)	22760.23	S+ GK-2B (3-0) P4	1045	22730.14(7)	67(4)		
1017	22759.09(8)	19.0(8)	22759.06	S+ EF-2B (29-0) P6	1046	22729.63(6)	132(3)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1047	22729.18(7)	45(5)			1077	22697.16(9)	18.6(18)		
1048	22727.30(6)	23.0(9)			1078	22695.99(10)	9.6(10)		S- 3F-2B (4-6) Q3
1049	22726.47(6)	202(11)	22726.49	S+ GK-2B (3-0) P5	1079	22694.78(7)	22.9(10)	22694.91	S- 3F-2B (2-3) Q7
1050	22726.16(7)	75(11)			1080	22693.45(7)	38(2)		
1051	22725.16(5)	40.0(7)	22725.13		1081	22692.83(10)	19(2)		S+ GK-2B (3-0) P7
1052	22724.14(9)	8.9(7)			1082	22691.63(6)	29.1(8)	22691.62	S+ GK-2B (4-1) P4
1053	22723.31(8)	11.4(7)			1083	22690.66(5)	94.5(8)	22690.65	
1054	22722.29(5)	57.6(7)	22722.27		1084	22689.32(10)	3.9(6)		
1055	22721.34(6)	28.9(7)	22721.33		1085	22688.19(4)	51.4(7)	22688.17	
1056	22720.42(10)	6.2(7)			1086	22687.49(6)	14.8(7)		
1057	22718.87(5)	120.1(7)	22718.86		1087	22685.77(6)	12.4(6)		
1058	22717.57(6)	34.2(8)	22717.52		1088	22684.55(7)	8.0(6)		
1059	22716.77(7)	18.7(9)	22716.86		1089	22683.73(6)	13.5(6)		
1060	22716.10(10)	7.8(10)			1090	22680.57(6)	12.8(6)		
1061	22714.78(5)	186.5(7)	22714.82	S+ GK-2B (4-1) P3	1091	22679.60(4)	137.9(6)	22679.62	
1062	22713.44(7)	11.9(7)	22713.36		1092	22678.65(5)	35.5(6)		
1063	22712.62(5)	42.5(7)	22712.63		1093	22677.76(6)	20.9(9)		
1064	22711.60(7)	12.8(7)			1094	22677.13(7)	13.0(9)		
1065	<b>22710.61(5)</b>	46.0(7)	22710.58	<b>T- 4c-2a (5-4) Q6</b>	1095	22676.10(8)	6.4(6)		
1066	<b>22709.58(6)</b>	74(3)		T+ 4c-2a (5-4) P3	1096	<b>22674.93(4)</b>	112.3(6)	22674.98	<b>T+ 4e-2c (0-0) Q2</b>
1067	22709.13(5)	241(3)			1097	<b>22673.99(5)</b>	79(2)	22673.93	<b>T+ 4e-2c (0-0) Q3</b>
1068	22707.82(6)	25.8(7)	22707.92	S+ 3F-2B (1-1) P5	1098	22673.53(4)	195(2)	22673.51	
1069	22706.79(5)	34.9(7)	22706.81		1099	22672.51(4)	158.2(7)	22672.50	
1070	22705.67(5)	34.9(7)	22705.62		1100	22671.73(6)	17.5(7)		
1071	22704.67(8)	10.7(7)			1101	<b>22670.72(4)</b>	62.5(11)		T+ 5c-2a (2-3) P3
1072	22703.65(6)	38.8(8)	22703.59	S+ GK-2B (3-0) P6	1102	<b>22670.06(4)</b>	254.0(11)	22670.08	<b>T+ 4e-2c (0-0) Q4</b>
1073	<b>22702.94(6)</b>	54.8(16)	22702.93	T+ 5c-2a (1-2) P6	1103	22668.89(7)	12.0(8)		
1074	22701.26(8)	12.3(10)			1104	22667.99(4)	47.0(8)	22668.05	
1075	22699.95(5)	88.0(10)	22699.95		1105	22666.87(6)	17.9(8)		
1076	22697.86(5)	228(2)	22697.91		1106	<b>22665.74(5)</b>	35.1(8)	22665.69	<b>T+ 4c-2a (5-4) P4</b>

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1107	<b>22664.54(4)</b>	136.0(8)	22664.54	T+ 4e-2c (0-0) Q5	1133	22638.05(4)	73.3(10)	22638.04	<b>T- 4e-2c (0-0) R5</b>
1108	22662.95(6)	13.4(7)			1134	22637.00(4)	114.5(9)	22637.02	
1109	22661.50(6)	16.4(8)			1135	22635.76(4)	157.4(9)	22635.80	
1110	22660.37(4)	237.2(8)	22660.39		1136	<b>22634.68(4)</b>	188.8(12)	22634.67	
1111	22659.35(6)	14.1(8)			1137	22633.98(5)	67.4(12)		
1112	22658.33(8)	12.1(11)			1138	22632.80(4)	165.9(9)	22632.81	
1113	<b>22657.61(4)</b>	304.4(15)		S+ GK-2B (9-5) R1 <b>T+ 4e-2c (0-0) Q6</b>	1139	22631.84(6)	24.7(9)		
1114	22657.03(6)	23.6(16)			1140	22630.90(5)	44.4(9)	22631.00	<b>T- 4e-2c (0-0) R6</b>
1115	22655.24(4)	107.6(8)	22655.31		1141	22629.67(5)	60.7(11)	22629.65	
1116	<b>22653.97(4)</b>	106.7(8)	22653.95	S+ GK-2B (9-5) R3 <b>T- 4f-2c (0-0) P3</b>	1142	22628.91(4)	121.5(11)	22628.92	
1117	22652.27(4)	86.7(8)	22652.22	S+ GK-2B (5-2) R4	1143	22628.12(5)	62.7(12)		
1118	22651.48(4)	57.0(8)	22651.50	S+ 3F-2B (4-6) P5	1144	<b>22627.38(4)</b>	366.5(13)	22627.35	
1119	<b>22650.48(4)</b>	135.3(8)	22650.49	<b>T- 4e-2c (0-0) R1</b> S+ 3E-2B (1-1) R6	1145	22626.48(5)	30.4(9)	22626.41	
1120	<b>22649.30(4)</b>	226.0(8)	22649.30	<b>T+ 4e-2c (0-0) Q7</b>	1146	22625.42(4)	77.6(9)	22625.43	S+ GK-2B (9-5) P1 <b>T- 4e-2c (0-0) Q1</b>
1121	<b>22648.17(4)</b>	348(3)	22648.18	<b>T- 4e-2c (0-0) R2</b>	1147	22624.4(3)	2.7(14)		
1122	<b>22647.70(5)</b>	137(3)	22647.65	<b>T- 4f-2c (0-0) P4</b>	1148	22623.70(4)	237(2)	22623.70	
1123	22647.00(5)	36.9(12)		S+ GK-2B (9-5) R4	1149	<b>22622.11(6)</b>	16.3(9)	22622.12	
1124	22646.11(4)	95.3(8)	22646.09		1150	22621.13(7)	24.1(17)	22621.09	
1125	<b>22645.16(4)</b>	209.5(8)	22645.14	<b>T- 4e-2c (0-0) R3</b>	1151	22620.53(7)	24.2(18)		
1126	22644.26(8)	10.6(8)			1152	<b>22619.39(6)</b>	70.5(15)	22619.29	T+ 4c-2a (5-4) P5 S- 3F-2B (2-3) Q6
1127	22643.37(5)	34.3(11)			1153	22618.72(5)	205.1(14)	22618.78	T- 5c-2a (3-4) Q1
1128	22642.66(5)	56.6(13)	22642.64		1154	22617.92(12)	8.7(12)		
1129	22642.07(7)	21.1(16)			1155	22616.96(6)	174.9(11)	22617.07	
1130	<b>22640.69(4)</b>	489.1(10)	22640.65	<b>T- 4f-2c (0-0) P5</b> <b>T- 4e-2c (0-0) R4</b>	1156	<b>22615.70(8)</b>	16.6(10)		
1131	22639.77(4)	208.4(9)	22639.84		1157	22614.29(8)	23.1(12)		
1132	22638.82(6)	27.7(10)			1158	22613.55(6)	134.5(12)	22613.54	
					1159	22612.67(6)	137.0(13)	22612.71	
					1160	22611.95(13)	9.0(13)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1161	22611.08(10)	14.3(11)	22611.05	<b>T- 5c-2a (3-4) Q2</b>	1191	22582.99(9)	10.1(7)		
1162	<b>22610.14(7)</b>	42.7(10)			1192	22581.65(6)	220(2)		
1163	22608.81(6)	330.9(14)	22608.81		1193	22581.20(8)	36(2)		
1164	22608.12(6)	112.8(13)	22608.11		1194	22580.02(9)	11.5(8)		
1165	22606.99(7)	49.8(10)	22606.99	S+ GK-2B (5-2) R3	1195	22579.34(9)	10.8(8)	22578.43	S+ 3E-2B (1-1) R5
1166	22606.01(6)	204.1(7)	22606.04		1196	22578.45(6)	86.5(8)		
1167	22603.65(6)	85.5(8)	22603.69		1197	22577.43(7)	21.1(7)		
1168	22602.92(8)	18.9(9)	22602.99		1198	22576.60(9)	8.4(7)		
1169	22602.17(8)	55(3)	22602.15	<b>T- 5c-2a (3-4) Q3</b>	1199	22575.50(7)	31.8(7)	22575.55	S+ GK-2B (9-5) P3
1170	<b>22601.74(9)</b>	23(3)	22601.70		1200	22574.29(12)	7.3(9)		
1171	22599.79(7)	162(12)	22599.76		1201	22573.53(8)	26.3(9)		
1172	22599.53(9)	49(12)			1202	22572.60(6)	202.5(11)		
1173	22598.22(11)	7.3(8)			1203	22571.12(6)	120(3)	22571.16	S- 3E-2B (3-4) Q8
1174	22597.49(7)	77.6(11)	22597.50		1204	22570.67(7)	112(3)		
1175	22596.84(6)	260.5(18)	22596.88		1205	22569.49(7)	53.4(9)		
1176	22596.30(11)	18.1(18)	22596.30		1206	22568.66(9)	25(2)		
1177	22595.65(6)	77.3(11)	22595.66	S+ GK-2B (5-2) R2	1207	22568.12(10)	19(2)	22568.01	
1178	22594.68(10)	7.5(7)			1208	22567.04(7)	61.0(11)		
1179	22593.91(6)	102.0(8)	22593.92		1209	22566.39(6)	111.6(11)		
1180	<b>22593.06(9)</b>	9.2(7)			1210	22565.22(8)	16.0(7)	22565.33	
1181	22592.17(6)	83.1(7)	22592.09	<b>T+ 5c-2a (2-3) P5</b>	1211	22563.92(6)	75.1(7)		
1182	<b>22590.71(6)</b>	128.0(11)	22590.75	<b>T- 5c-2a (3-4) Q4</b>	1212	22562.24(6)	123.5(11)		
1183	22590.10(6)	141.2(10)	22590.14	S+ GK-2B (5-2) R1	1213	22561.50(7)	76.0(16)		
1184	<b>22589.34(7)</b>	113(2)		<b>T- 4e-2c (0-0) Q2</b>	1214	22560.87(8)	44.2(15)		
1185	22588.90(8)	28(3)			1215	22560.25(7)	44.1(17)		
1186	22586.59(9)	28(3)			1216	22558.87(8)	8.6(7)		
1187	22586.18(17)	9(3)			1217	22557.91(5)	92.2(13)	22557.94	
1188	22585.28(8)	41(3)	22585.31	S+ GK-2B (5-2) R0	1218	22557.28(5)	69.8(12)		
1189	22584.85(6)	115(3)	22584.78	<b>T+ 4e-2c (0-0) P3</b>	1219	22556.57(5)	281.0(14)		
1190	<b>22583.79(6)</b>	262.3(8)	22583.79		1220	22555.91(5)	122.2(12)		



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1221	22555.29(8)	14.0(14)			1251	22527.03(4)	361.3(12)	22527.04	
1222	22553.94(4)	353.9(19)			1252	22526.14(5)	85.6(16)		S+ GK-2B (2-0) R0
1223	22553.26(10)	28(3)			1253	22525.55(4)	362.6(16)	22525.52	
1224	<b>22552.77(7)</b>	53(3)	22552.76	<b>T+ 4e-2c (0-0) P4</b>	1254	22524.61(5)	218(2)	22524.61	
1225	22552.05(5)	132.7(15)	22552.05		1255	<b>22524.09(7)</b>	29(2)		<b>T- 4e-2c (0-0) Q4</b>
1226	<b>22551.5(2)</b>	3.9(19)		<b>T+ 5c-2a (2-3) P6</b>	1256	22522.86(9)	8.4(9)		
1227	22550.59(4)	215.6(9)	22550.55		1257	22521.86(5)	466(6)	22521.85	
1228	22549.47(5)	78(4)	22549.55		1258	22521.44(5)	166(5)	22521.47	
1229	22549.04(6)	59(3)	22549.06		1259	22520.77(7)	23.9(16)		
1230	22548.17(9)	7.7(8)			1260	<b>22519.79(7)</b>	17.4(9)		<b>T+ 4e-2c (0-0) P5</b>
1231	22546.57(5)	96.8(7)	22546.55		1261	22518.87(8)	9.5(9)		
1232	22545.52(4)	234.3(9)	22545.52		1262	22517.44(6)	32.1(14)	22517.43	S- 3E-2B (3-4) Q7
1233	22544.24(5)	44.3(8)	22544.34		1263	22516.73(7)	72(6)	22516.73	
1234	22543.37(5)	149.4(13)	22543.40		1264	22516.33(5)	179(6)	22516.31	
1235	22542.76(10)	10.9(13)		S 4D-2B (0-5) R3	1265	22515.46(11)	6.2(10)		
1236	22541.72(7)	22.8(15)	22541.70	S 4D-2B (0-5) R0	1266	22514.06(5)	89.4(7)	22514.05	
1237	22541.15(7)	25.0(16)	22541.23	S+ GK-2B (9-5) P4	1267	22512.54(6)	20.9(7)	22512.50	
1238	22539.86(4)	160.6(10)	22539.91		1268	22511.35(7)	15.6(8)		
1239	22538.99(6)	64(3)			1269	22510.56(6)	16.2(8)		
1240	22538.55(5)	81(4)			1270	22509.18(4)	328.3(9)	22509.16	
1241	22537.37(5)	95.0(9)	22537.35		1271	<b>22508.20(5)</b>	166.7(13)	22508.19	<b>T+ 4d-2c (0-0) R1</b>
1242	22536.15(5)	78.7(9)	22536.12	S+ GK-2B (2-0) R3	1272	22507.56(8)	18.1(12)		
1243	22535.17(4)	194.6(9)	22535.19	S+ GK-2B (2-0) R1	1273	22506.76(7)	15.7(8)		
1244	22534.15(5)	119.9(9)	22534.21		1274	22505.88(6)	16.2(7)		
1245	22533.23(7)	15.7(9)		S 4D-2B (0-5) R1	1275	22504.58(5)	86.0(9)	22504.60	S+ GK-2B (9-5) P5
1246	22532.18(4)	135.9(9)	22532.13		1276	22503.81(8)	30(2)		
1247	22530.86(9)	16(3)	22530.81		1277	22503.28(6)	70(2)	22503.28	
1248	22530.38(8)	20(3)	22530.29	S+ GK-2B (5-2) P2	1278	22502.52(5)	135.9(11)	22502.53	
1249	22528.48(10)	9.3(12)			1279	<b>22501.89(5)</b>	57.1(13)	22501.92	<b>T- 4c-2a (6-5) Q4</b>
1250	22527.78(5)	161.8(11)	22527.78		1280	22500.48(5)	132.7(14)	22500.48	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1281	22499.90(6)	27.3(14)			1310	22471.17(8)	10.9(7)		
1282	22498.73(5)	82.0(14)	22498.72	S+ GK-2B (5-2) P3	1311	22469.69(6)	94.6(7)	22469.70	
1283	<b>22498.10(5)</b>	151.1(13)	22498.08	T+ 4d-2c (0-0) Q1	1312	22467.77(6)	47.4(11)	22467.83	
1284	22497.47(7)	29.5(14)			1313	22467.09(8)	26.2(11)	22467.03	S+ GK-2B (2-0) P2
1285	22496.81(5)	43.1(12)		S- 3F-2B (2-3) Q4	1314	22466.45(6)	93.5(12)	22466.49	S+ GK-2B (5-2) P4
1286	22495.70(11)	8.1(9)			1315	22465.54(6)	145.9(8)	22465.51	
1287	22494.82(7)	18.9(9)	22494.74		1316	22464.30(9)	22(3)		
1288	22493.38(7)	23.1(10)	22493.39		1317	22463.83(6)	122(3)	22463.78	
1289	22492.22(6)	134.5(10)	22492.28		1318	22463.10(8)	22.6(10)	22463.12	
1290	22491.04(7)	33.6(12)			1319	22461.70(10)	6.6(7)		
1291	<b>22490.17(6)</b>	305.7(15)	22490.26	<b>T- 4e-2c (0-0) Q5</b>	1320	22460.71(6)	29.8(7)	22460.75	
1292	<b>22489.37(6)</b>	75.8(13)		<b>T+ 4d-2c (0-0) P1</b>	1321	22459.01(6)	182.0(8)	22459.05	
1293	22488.18(8)	17.4(10)			1322	22458.06(6)	100.3(14)	22458.12	
1294	22486.84(6)	85.0(14)	22486.83	S- 3F-2B (0-0) Q8	1323	22457.49(6)	71.1(14)	22457.60	
1295	22486.0(2)	16(7)			1324	22455.94(7)	46.4(18)	22455.87	
1296	<b>22485.53(7)</b>	149(7)		<b>T+ 4e-2c (0-0) P6</b>	1325	<b>22455.39(7)</b>	50.0(15)	22455.43	<b>T- 4e-2c (0-0) Q6</b>
1297	22484.52(6)	194.8(11)	22484.53		1326	22454.64(6)	97.0(9)	22454.67	S+ GK-2B (5-2) P6
1298	22483.26(6)	70.6(10)	22483.17		1327	22453.89(6)	120.3(9)	22453.94	
1299	22481.97(8)	41(3)			1328	<b>22452.77(6)</b>	157.9(7)	22452.89	<b>T+ 4c-2a (0-0) R6</b>
1300	22481.38(8)	39(2)			1329	22451.86(6)	83.6(7)	22451.84	
1301	<b>22480.34(6)</b>	147.1(11)	22480.24	<b>T+ 4d-2c (0-0) R2</b>	1330	22450.94(6)	73.1(9)	22450.89	
1302	22479.37(7)	51.2(14)	22479.34		1331	<b>22450.19(6)</b>	64.6(9)	22450.11	<b>T+ 4e-2c (0-0) P7</b>
1303	22478.63(6)	150.3(15)	22478.64		1332	<b>22449.28(6)</b>	395.3(12)	22449.30	<b>T+ 4d-2c (0-0) R3</b>
1304	22477.25(9)	17.1(13)			1333	22448.51(7)	35.6(10)		
1305	22476.64(7)	58.9(12)	22476.54		1334	<b>22447.15(6)</b>	152(5)	22447.17	<b>T+ 4d-2c (0-0) Q2</b>
1306	22475.86(6)	110.7(9)	22475.85		1335	<b>22446.75(7)</b>	108(5)	22446.72	<b>T+ 4c-2a (0-0) R5</b>
1307	22474.75(6)	84.7(11)	22474.78		1336	22445.92(8)	15.7(9)	22445.98	
1308	22474.12(6)	174.6(11)	22474.14		1337	22444.75(9)	14.7(10)	22444.67	
1309	22472.23(6)	112.4(7)	22472.25	S- 3E-2B (6-8) Q1	1338	22444.08(7)	33.4(10)	22444.05	
				S- 3E-2B (3-4) Q6	1339	22443.11(6)	47.1(8)	22443.10	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1340	22441.82(6)	74.9(8)	22441.80		1369	22417.61(9)	14(3)		
1341	22440.97(6)	132.3(11)	22440.93		1370	<b>22416.44(3)</b>	294.5(8)	22416.47	T+ 4d-2c (0-0) R4
1342	22440.26(7)	45.0(12)			1371	22415.26(6)	12.5(7)		S- 3F-2B (2-3) Q2
1343	22439.62(6)	106.2(13)	22439.59		1372	<b>22414.34(3)</b>	173.8(7)	22414.36	<b>T+ 4e-2c (0-0) P8</b>
1344	22438.59(7)	30.0(10)			1373	22413.27(5)	17.9(7)	22413.24	
1345	22437.84(6)	132.3(15)			1374	22412.35(7)	10.6(8)		
1346	<b>22437.24(6)</b>	104.5(15)		<b>T+ 4d-2c (0-0) P2</b>	1375	22411.64(4)	48.0(8)	22411.65	S+ 3F-2B (2-3) P5
				S+ GK-2B (2-0) P3	1376	22409.94(4)	24.6(7)		
1347	<b>22436.43(6)</b>	150.8(16)	22436.41	<b>T+ 4c-2a (0-0) R4</b>	1377	22408.48(6)	21.0(15)	22408.46	
1348	<b>22435.81(7)</b>	55.9(15)	22435.81	<b>T- 4e-2c (0-0) P4</b>	1378	22407.93(5)	29.8(14)	22407.92	
1349	22435.20(7)	47.7(16)	22435.18		1379	22407.08(3)	147.8(8)	22407.11	
1350	22433.98(6)	32.3(9)		S- 3E-2B (3-4) Q5	1380	22406.32(5)	19.5(8)		
1351	22433.25(8)	16.0(11)		S+ 3E-2B (1-1) R3	1381	22405.33(4)	32.6(7)	22405.37	
1352	22432.61(5)	163.0(12)	22432.64		1382	<b>22402.73(3)</b>	175.7(10)	22402.73	<b>T+ 4c-2a (0-0) R2</b>
1353	22432.01(9)	8.9(12)			1383	22402.10(3)	108.1(10)	22402.14	S+ GK-2B (2-0) P4
1354	22430.98(4)	92.8(13)	22430.98						S- 3E-2B (3-4) Q4
1355	22430.45(3)	129.9(13)	22430.46		1384	22401.16(5)	17.1(8)		
1356	22429.35(6)	9.4(6)			1385	22400.35(5)	17.5(8)		
1357	22428.09(4)	43.9(6)	22428.12		1386	22399.22(5)	109(16)		
1358	22427.26(6)	10.0(6)			1387	22398.96(4)	370(16)	22398.96	
1359	22426.03(4)	85.3(17)	22426.01		1388	22398.03(5)	20.5(8)		
1360	22425.51(4)	151.5(13)	22425.55		1389	22397.27(4)	69.8(10)	22397.21	
1361	22424.87(5)	19.3(11)			1390	22396.61(3)	391.8(12)	22396.59	
1362	22423.74(5)	21.1(8)			1391	22395.76(6)	14.3(8)		
1363	22423.02(6)	18.1(11)		S+ GK-2B (6-3) P1	1392	22394.96(3)	106.1(8)	22394.99	
1364	22422.42(4)	41.8(11)	22422.39		1393	22394.05(6)	11.7(7)		
1365	<b>22421.67(3)</b>	114.6(8)	22421.66	<b>T+ 4c-2a (0-0) R3</b>	1394	22392.74(7)	7.3(7)		
1366	22420.59(5)	17.0(9)	22420.54		1395	22391.80(3)	355.8(9)	22391.78	S- 3F-2B (0-0) Q7
1367	<b>22419.97(4)</b>	85.8(9)	22419.98	<b>T- 4e-2c (0-0) Q7</b>	1396	22391.00(8)	10.6(10)		
1368	22418.03(14)	7(3)			1397	22390.33(4)	154.5(11)	22390.32	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1398	22389.71(5)	32.2(12)			1427	22365.12(5)	118.2(6)	22365.21	
1399	<b>22388.99(3)</b>	150.6(8)	22389.02	<b>T+ 4d-2c (0-0) Q3</b>	1428	22363.99(5)	98.4(9)	22363.96	
1400	22387.69(7)	6.8(7)			1429	22363.38(7)	25.2(9)		
1401	22386.80(3)	95.0(7)	22386.81		1430	22362.44(5)	207.2(7)	22362.52	S+ 3F-2B (0-0) P9
1402	22385.78(4)	56.7(8)			1431	22361.64(6)	40.1(6)	22361.61	
1403	22385.02(3)	298.1(8)	22385.02		1432	22360.16(9)	6.8(6)		
1404	22383.93(4)	67(3)			1433	22359.27(6)	42.1(9)	22359.22	
1405	22383.52(6)	26(3)			1434	22358.61(6)	85.5(13)		
1406	<b>22382.27(3)</b>	452.2(15)	22382.27	<b>T+ 4d-2c (0-0) R5</b>	1435	22358.08(5)	164.7(16)	22358.09	
				S+ 3F-2B (2-3) P4	1436	22357.00(5)	110.3(7)	22357.02	
1407	22381.66(4)	144.2(11)	22381.70		1437	<b>22356.12(6)</b>	29.3(6)	22356.02	<b>T+ 4d-2c (0-0) P3</b>
1408	22381.04(5)	32.1(12)	22381.03		1438	22355.33(10)	6.3(6)		
1409	<b>22379.93(4)</b>	97.0(8)	22379.86	<b>T+ 4c-2a (0-0) R1</b>	1439	22354.22(6)	48.4(7)	22354.18	
1410	22379.21(5)	38.6(8)	22379.24	S+ GK-2B (6-3) P3	1440	<b>22353.22(5)</b>	126.0(7)	22353.21	<b>T+ 4c-2a (0-0) R0</b>
1411	22378.45(6)	51.5(7)	22378.47		1441	22352.26(6)	58.5(9)	22352.32	
1412	22377.07(6)	31.3(8)	22377.05	S- 3E-2B (3-4) Q3	1442	22351.48(8)	42(3)	22351.56	
1413	22376.41(5)	151.8(8)	22376.43		1443	22351.03(7)	45(3)	22351.04	
1414	22375.31(6)	60.4(8)	22375.29		1444	22350.05(6)	28.3(7)	22350.07	S+ EF-2B (32-2) P1
1415	<b>22374.64(5)</b>	194.0(9)	22374.67	<b>T+ 4d-2c (1-1) R1</b>	1445	<b>22348.49(5)</b>	165.0(9)	22348.52	<b>T+ 4d-2c (1-1) R2</b>
1416	22373.96(6)	120.5(9)	22373.97		1446	22347.77(5)	186.9(9)	22347.83	
1417	<b>22373.22(8)</b>	82(11)		T- 4e-2c (0-0) P5	1447	<b>22346.98(5)</b>	235.2(8)	22346.95	<b>T+ 4d-2c (0-0) R6</b>
1418	22372.91(8)	79(11)			1448	22345.96(6)	42.9(7)	22345.94	S- 3E-2B (3-4) Q1
1419	22372.06(6)	36.2(7)	22372.01		1449	22344.71(5)	116.3(7)	22344.68	
1420	22371.14(13)	3.9(6)			1450	22343.77(9)	10.0(8)		
1421	22370.36(5)	67.8(6)	22370.42		1451	22342.91(6)	51.6(8)	22342.98	
1422	22369.39(13)	4.9(8)			1452	22341.99(7)	31.0(10)	22341.94	
1423	22368.75(9)	9.0(8)			1453	22341.28(6)	65.4(10)	22341.28	
1424	22367.54(5)	118.8(6)	22367.52		1454	22340.63(5)	95.4(11)	22340.68	
1425	22366.68(10)	9.1(11)			1455	22339.33(7)	28.7(13)	22339.32	
1426	22366.09(5)	231.5(11)	22366.12		1456	22338.75(6)	93.3(13)	22338.73	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1457	22337.75(8)	18.4(12)							T- 4e-2c (0-0) P6
1458	22337.13(6)	65.6(11)	22337.20		1486	22310.09(5)	25.7(9)		
1459	22336.35(5)	152.8(9)	22336.31		1487	22309.34(5)	35.6(8)		
1460	22335.42(8)	23.6(13)	22335.45		1488	22308.60(4)	78.7(11)		
1461	22334.84(13)	7.2(14)			1489	22308.03(5)	24.8(12)		
1462	22333.28(6)	49.6(7)	22333.16		1490	22306.06(4)	78.0(7)		S- 3F-2B (0-0) Q6
1463	22332.39(5)	72.0(7)	22332.38	S- 3E-2B (5-7) Q5	1491	22305.30(5)	19.4(7)		
1464	22331.18(7)	38.8(19)	22331.15	S+ 3E-2B (3-4) P3	1492	22304.49(4)	131.2(9)	22304.44	
1465	22330.67(6)	51.8(18)	22330.56		1493	22303.83(10)	9.2(9)		
1466	22329.09(6)	28.4(8)			1494	22303.16(5)	28.6(9)		
1467	<b>22328.16(6)</b>	82.7(17)	22328.14	<b>T+ 4d-2c (0-0) Q4</b>	1495	22302.41(4)	67.2(7)		
1468	22327.58(6)	147.2(16)	22327.62		1496	22301.24(7)	17.4(19)		
1469	22326.79(6)	48.3(9)			1497	22300.71(12)	12.3(14)		S+ 3E-2B (1-1) P6
1470	22325.83(7)	18.9(8)	22325.81		1498	22300.02(7)	69(14)		
1471	22324.36(7)	40(2)			1499	22299.73(12)	26(15)		
1472	22323.88(6)	65(2)	22323.99		1500	<b>22298.71(3)</b>	253.1(7)	22298.74	<b>T- 4c-2a (0-0) Q3</b>
1473	22322.64(6)	31.3(8)	22322.56		1501	22297.78(8)	6.0(6)		
1474	22321.81(5)	91.3(8)	22321.79		1502	22295.01(6)	20(2)	22294.98	
1475	22320.86(5)	98.4(8)	22320.87		1503	22294.56(7)	19(2)	22294.56	
1476	22319.96(6)	36.5(11)			1504	22293.58(4)	38.6(6)	22293.60	
1477	<b>22319.20(5)</b>	475.4(14)	22319.21	<b>T+ 4d-2c (1-1) R3</b>	1505	22292.69(7)	7.5(6)		
1478	22318.25(9)	8.8(8)			1506	22292.03(9)	7.9(10)		
1479	22317.11(7)	38.2(15)			1507	22291.41(4)	70.3(12)	22291.46	
1480	22316.52(7)	40.8(14)			1508	22290.89(4)	58.8(14)	22290.87	
1481	<b>22315.64(5)</b>	152.9(9)	22315.70	<b>T+ 4d-2c (1-1) Q2</b>	1509	22289.58(5)	16.2(9)		
1482	22313.84(6)	14.4(7)			1510	22288.96(7)	11.3(8)		
1483	22312.87(5)	42.9(7)	22312.85		1511	22288.16(5)	36(2)		
1484	22311.90(6)	9.6(6)			1512	<b>22287.72(3)</b>	262(2)	22287.74	<b>T+ 4d-2c (1-1) R4</b>
1485	<b>22310.83(3)</b>	692.5(13)	22310.81	<b>T+ 4d-2c (0-0) R7</b>	1513	22286.82(7)	11.8(9)		
				<b>T- 4c-2a (0-0) Q2</b>	1514	22286.15(6)	21.2(14)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1515	22285.65(6)	18.4(15)			1545	22261.34(4)	54.5(15)	22261.41	
1516	22284.77(3)	257.9(8)	22284.79		1546	<b>22260.50(5)</b>	49(3)		<b>T+ 4d-2c (1-1) Q3</b>
1517	22283.81(5)	18.2(7)			1547	22260.01(5)	100(2)		
1518	<b>22282.67(3)</b>	389.5(8)	22282.67	<b>T- 4c-2a (0-0) Q4</b>	1548	22259.48(9)	22(2)		
1519	22281.82(6)	11.5(7)			1549	22258.89(7)	16.6(15)		
1520	22280.44(4)	31.3(7)	22280.45	S+ GK-2B (7-4) R2	1550	22257.71(5)	16.5(8)		
1521	22279.66(4)	32.7(7)	22279.70		1551	22256.87(4)	81.4(18)		
1522	22278.65(4)	44.9(9)	22278.62		1552	22256.31(4)	119(2)		
1523	22278.05(4)	98.1(9)	22278.03		1553	22255.87(5)	56(3)		
1524	22277.00(4)	23.0(7)	22276.98		1554	<b>22254.66(3)</b>	467.9(8)	22254.66	<b>T+ 4d-2c (1-1) R5</b>
1525	22275.13(5)	26.4(13)	22275.12	S+ GK-2B (7-4) R0	1555	22253.71(3)	143.2(8)	22253.67	
1526	22274.62(4)	88.1(12)	22274.64		1556	22252.84(5)	48(3)	22252.81	
1527	<b>22273.80(4)</b>	160(2)	22273.80	<b>T+ 4d-2c (0-0) R8</b>	1557	<b>22252.41(4)</b>	83(3)	22252.43	<b>T+ 4c-2a (0-0) P2</b>
1528	22273.25(5)	132(7)	22273.19	S+ GK-2B (7-4) R1	1558	22251.53(7)	13.0(10)		
1529	22272.93(6)	57(9)			1559	22250.91(6)	16.8(10)		
1530	22271.98(4)	20.6(7)			1560	22249.68(4)	53.4(7)	22249.63	S+ GK-2B (7-4) P1
1531	22270.42(5)	21.6(13)			1561	22248.93(4)	48.8(7)	22248.92	S+ 3F-2B (0-0) R3
1532	22269.74(11)	81(57)			1562	<b>22247.84(6)</b>	48.8(19)		<b>T- 4e-2c (0-0) P7</b>
1533	22269.54(6)	221(56)			1563	22247.38(8)	15.7(19)		S+ 3E-2B (1-1) P4
1534	22268.94(7)	23(2)			1564	22246.36(6)	14.7(6)		
1535	22268.25(6)	18.6(9)			1565	22245.42(5)	111.8(9)	22245.44	
1536	22267.58(8)	11.2(11)			1566	22244.80(9)	10.3(9)		
1537	22266.36(5)	30.6(12)	22266.34		1567	22244.04(10)	6.4(7)		S- 3E-2B (5-7) Q1
1538	<b>22265.76(4)</b>	108.9(11)	22265.78	<b>T+ 4d-2c (0-0) Q5</b>	1568	22243.11(13)	3.1(6)		
1539	22264.99(4)	130.0(13)	22264.99		1569	22242.09(7)	15.6(7)	22242.08	
1540	22264.39(7)	28.3(14)		S+ 3E-2B (0-0) R7	1570	22241.33(5)	37.3(7)	22241.38	
1541	22263.82(4)	190.9(14)	22263.83	S+ 3F-2B (3-5) R3	1571	22240.57(6)	20.6(7)		
1542	22262.91(7)	224(97)			1572	22239.80(5)	45.5(7)		
1543	<b>22262.75(10)</b>	125(97)		<b>T- 4c-2a (0-0) Q5</b>	1573	<b>22239.00(5)</b>	353.6(8)	22238.99	<b>T- 4c-2a (0-0) Q6</b>
1544	22261.90(4)	88.6(14)	22261.92		1574	22237.98(8)	14.5(12)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1575	22237.42(5)	70.5(11)	22237.44	<b>T+ 4d-2c (0-0) R9</b>	1605	<b>22211.56(5)</b>	156.0(8)	22211.61	<b>T- 4c-2a (0-0) Q7</b>
1576	22236.60(6)	63(2)			1606	22210.80(5)	82.2(12)	22210.76	
1577	<b>22236.15(5)</b>	268(2)	22236.14		1607	<b>22210.18(5)</b>	147.6(14)	22210.16	<b>T+ 4c-2a (1-1) R4</b>
1578	22235.28(5)	127(2)	22235.31		1608	22209.65(5)	97.0(17)	22209.57	
1579	22234.37(8)	8.5(7)			1609	<b>22208.62(5)</b>	121.1(7)	22208.57	<b>T+ 4d-2c (2-2) R2</b>
1580	22233.64(6)	35.0(9)	22233.69	<b>T+ 4d-2c (2-2) R1</b>	1610	22206.98(6)	19.7(7)	22206.94	
1581	<b>22232.34(5)</b>	175.1(8)	22232.35		1611	22206.02(7)	22.2(17)		
1582	22231.52(6)	23.9(9)			1612	22205.49(5)	188.2(16)		
1583	22230.80(6)	56.3(12)			1613	22204.74(5)	88.2(9)	22204.70	
1584	22230.22(5)	182.0(13)			1614	22203.21(8)	35(5)		
1585	22229.36(9)	12.5(10)		S+ 3E-2B (1-1) P3	1615	<b>22202.80(7)</b>	60(4)		<b>T+ 4d-2c (0-0) Q6</b>
1586	22228.67(9)	19.5(14)		S- 3F-2B (0-0) Q5	1616	<b>22202.22(5)</b>	98.3(19)	22202.19	<b>T+ 4d-2c (1-1) Q4</b>
1587	22228.15(7)	27.6(17)	22228.24		1617	22201.24(7)	46(3)		
1588	22226.78(5)	61.0(7)	22226.79		1618	22200.74(6)	137(3)	22200.75	
1589	22225.84(5)	147.5(7)	22225.91		1619	22200.33(9)	29(5)		
1590	22224.80(6)	32.8(15)			1620	22197.92(5)	142(8)	22197.89	
1591	22224.27(5)	138.9(14)	22224.20		1621	22197.61(7)	50(8)		
1592	22223.31(5)	75.6(7)	22223.31	S+ GK-2B (7-4) P2	1622	22196.60(8)	14.1(11)		
1593	22222.46(5)	72.3(7)	22222.44	S+ 3E-2B (1-1) P2	1623	<b>22195.94(5)</b>	88.8(11)	22196.00	<b>T+ 4c-2a (1-1) R3</b>
1594	22221.17(5)	93.1(7)	22221.23		1624	22195.31(7)	18.3(12)		
1595	<b>22220.23(5)</b>	252.9(13)	22220.24	<b>T+ 4d-2c (1-1) R6</b>	1625	22194.26(5)	37.2(8)	22194.37	
1596	22219.62(7)	27.2(12)			1626	22193.17(8)	8.3(8)		
1597	22218.98(6)	34.5(11)		S 3A-2B (2-4) R2	1627	22191.93(7)	19.9(8)	22191.84	
1598	22217.57(7)	63(9)	22217.56		1628	22191.10(5)	73.4(8)	22191.12	
1599	22217.25(7)	78(8)	22217.28		1629	22190.18(7)	18.3(9)		
1600	22216.55(5)	103.8(11)	22216.57		1630	22189.38(6)	47(2)		
1601	22215.55(7)	17.4(8)			1631	22188.88(5)	238(2)	22188.82	S+ 3F-2B (0-0) P7
1602	22214.80(5)	74.3(8)	22214.75		1632	22187.95(7)	25.7(10)		
1603	22213.23(5)	54.1(7)	22213.20		1633	22187.28(7)	18.2(10)		S+ GK-2B (7-4) P3
1604	<b>22212.38(5)</b>	77.1(8)	22212.33	<b>T+ 4c-2a (0-0) P3</b>	1634	22185.88(6)	44.1(8)	22185.87	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1635	<b>22184.76(5)</b>	382.2(9)	22184.74	<b>T- 4e-2c (0-0) P8</b>	1663	22159.21(6)	145(2)	22159.18	
				<b>T+ 4d-2c (1-1) R7</b>	1664	22158.74(8)	30(3)		
1636	22183.81(8)	11.3(8)			1665	<b>22157.83(5)</b>	130.1(8)	22157.81	<b>T+ 4b-2a (1-0) R2</b>
1637	22182.93(9)	9.1(8)			1666	22156.78(6)	36.7(8)	22156.83	
1638	22182.05(6)	30.2(9)		S- 4E-2C (5-2) Q1	1667	<b>22155.78(5)</b>	187.8(9)	22155.74	<b>T+ 4c-2a (1-1) R1</b>
1639	<b>22181.22(5)</b>	374.2(10)	22181.23	<b>T+ 4d-2c (2-2) R3</b>	1668	22155.00(6)	56.1(8)	22155.11	S+ 3F-2B (3-5) R1
1640	<b>22180.38(5)</b>	231.5(9)	22180.52	<b>T- 4c-2a (0-0) Q8</b>	1669	22153.95(7)	14.4(8)		S- 3F-2B (3-5) Q3
1641	22179.54(9)	10.7(9)			1670	22152.58(8)	9.6(8)		
1642	22178.66(6)	58.8(8)	22178.69		1671	<b>22151.30(5)</b>	202.4(8)	22151.28	<b>T+ 4d-2c (2-2) R4</b>
1643	<b>22177.25(5)</b>	118.5(8)	22177.29	<b>T+ 4c-2a (1-1) R2</b>	1672	22149.75(10)	9.3(11)		
1644	22176.42(6)	46.9(9)	22176.49	S+ 3E-2B (0-0) R6	1673	22149.15(6)	66.7(11)	22149.20	
1645	<b>22175.50(6)</b>	158(8)		<b>T+ 4d-2c (2-2) Q2</b>	1674	<b>22148.29(5)</b>	157.3(8)	22148.30	<b>T+ 4d-2c (1-1) R8</b>
1646	22175.17(7)	98(8)			1675	22147.31(8)	11.2(8)		
1647	22174.33(5)	172.5(10)	22174.30		1676	<b>22145.70(5)</b>	102.5(7)	22145.67	<b>T- 4c-2a (0-0) Q9</b>
1648	22173.26(7)	18.3(8)			1677	<b>22144.87(6)</b>	47.5(7)	22144.89	<b>T+ 4b-2a (1-0) R1</b>
1649	22172.42(6)	58(2)	22172.37	S+ 3F-2B (0-0) R2	1678	22143.76(6)	44.7(7)	22143.75	
1650	22171.95(9)	20(2)			1679	22142.89(16)	3.6(8)		
1651	22171.12(8)	22.8(11)			1680	22142.12(5)	160.8(8)	22142.09	
1652	22170.52(9)	14.0(12)			1681	22140.97(13)	4.3(8)		
1653	<b>22169.14(5)</b>	188.6(8)	22169.16	S- 4E-2C (5-2) Q2	1682	22140.21(9)	10.8(8)		
				<b>T+ 4c-2a (0-0) P4</b>	1683	<b>22139.32(8)</b>	19.9(13)		<b>T+ 4d-2c (0-0) Q7</b>
1654	22168.26(7)	15.6(8)			1684	22138.77(6)	37.3(14)	22138.72	
1655	22167.33(6)	30.0(8)	22167.42		1685	22137.44(9)	8.6(8)		
1656	22166.32(7)	16.3(8)			1686	22136.70(6)	30.9(8)	22136.70	
1657	22165.09(6)	68.5(8)	22165.15	S- 3F-2B (0-0) Q4	1687	22135.70(7)	50(4)		
1658	<b>22164.01(5)</b>	109.2(9)	22163.90	T+ 4b-2a (1-0) R3	1688	22135.30(6)	98(4)		
1659	22163.30(5)	391.9(10)	22163.25		1689	22134.09(7)	25.6(10)	22134.06	
1660	22162.27(6)	44.3(8)	22162.23		1690	22133.43(9)	18.1(9)		
1661	22160.52(7)	26.4(12)	22160.49	S+ GK-2B (7-4) P4	1691	22132.74(9)	14.0(9)		
1662	22159.92(6)	60.7(11)	22159.84		1692	22131.86(9)	12.4(9)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1693	22131.12(5)	380.0(10)	22131.10		1723	22102.50(8)	49(3)		
1694	<b>22129.97(5)</b>	153.0(7)	22130.01	<b>T+ 4c-2a (1-1) R0</b>	1724	22102.07(8)	32(3)		
1695	22129.02(8)	9.9(7)			1725	22101.05(6)	50.3(7)	22101.03	
1696	22127.96(6)	29.7(7)	22127.95		1726	22099.97(6)	52.4(11)	22099.95	
1697	22126.71(5)	93.4(8)	22126.73	S+ 3F-2B (0-0) P6	1727	22099.32(7)	49.1(13)	22099.29	S 3A-2B (2-4) P4
1698	22125.68(9)	16.2(12)			1728	22098.77(7)	37.1(15)		
1699	<b>22125.05(6)</b>	52.1(12)		<b>T+ 4b-2a (1-0) R0</b>	1729	22097.92(7)	15.2(8)		
1700	<b>22123.52(6)</b>	51.4(17)	22123.48	<b>T+ 4d-2c (2-2) Q3</b>	1730	<b>22096.89(5)</b>	108.9(7)	22096.88	<b>T- 4c-2a (1-1) Q1</b>
1701	<b>22122.95(5)</b>	192.9(16)	22122.89	<b>T+ 4c-2a (0-0) P5</b>					S- 3E-2B (2-3) Q8
1702	22121.95(7)	111(13)							S 3A-2B (2-4) P5
1703	22121.65(6)	247(13)			1731	22095.87(5)	172.7(8)	22095.83	
1704	22120.16(6)	35.6(11)			1732	22094.97(7)	21.3(8)	22094.98	
1705	<b>22119.41(5)</b>	471.5(18)	22119.45	<b>T+ 4d-2c (2-2) R5</b>	1733	22094.17(8)	23.1(17)		
1706	22118.82(7)	42.8(18)			1734	22093.69(11)	10.3(19)		
1707	22117.62(5)	143.0(10)	22117.67		1735	22092.18(7)	15.7(8)	22092.23	
1708	22116.88(6)	36.0(10)	22116.97		1736	22091.46(10)	9.4(9)		
1709	22115.56(6)	46.1(10)	22115.66		1737	22090.73(9)	10.6(9)	22090.69	
1710	22114.85(8)	16.3(10)			1738	<b>22090.00(7)</b>	17.7(8)	22089.99	<b>T+ 4d-2c (2-2) P3</b>
1711	22113.55(5)	171.0(8)	22113.49		1739	<b>22088.98(5)</b>	317.0(16)	22088.96	<b>T- 4c-2a (1-1) Q2</b>
1712	22112.24(6)	62.3(8)	22112.22		1740	22088.47(7)	22.7(16)		
1713	22111.36(8)	35(4)		S- 3F-2B (0-0) Q3	1741	22087.43(5)	417(6)	22087.42	S- 3E-2B (0-0) Q11
1714	22110.97(6)	247(4)			1742	22086.46(15)	9(3)		S+ 3E-2B (0-0) R5
1715	22110.19(7)	28.6(9)			1743	<b>22086.02(5)</b>	206.0(10)	22086.01	<b>T+ 4d-2c (2-2) R6</b>
1716	22109.37(6)	63.5(9)	22109.35						S+ 3E-2B (0-0) P11
1717	22108.72(7)	28.0(9)	22108.77		1744	22085.37(7)	26.1(12)	22085.37	
1718	22107.64(5)	135.4(7)	22107.65		1745	22084.47(7)	27.5(11)	22084.50	
1719	<b>22106.59(6)</b>	53.0(8)	22106.57	<b>T- 4c-2a (0-0) Q10</b>	1746	22083.88(7)	28.0(12)		
1720	22105.78(6)	66.2(10)	22105.81		1747	22082.95(7)	23.3(9)	22082.93	
1721	22105.19(6)	57.2(11)	22105.21	S- 3F-2B (1-2) Q7	1748	22082.28(11)	8.6(9)		
1722	22103.10(6)	46.6(14)	22103.17		1749	<b>22081.40(6)</b>	68.6(12)	22081.36	S+ GK-2B (8-5) R2

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1750	<b>22080.74(7)</b>	69(3)	22080.72	<b>T+ 4d-2c (1-1) Q6</b>	1779	22056.61(6)	57(2)	22056.63	
1751	22080.29(7)	69(3)		T+ 4d-2c (3-3) R1	1780	22056.13(10)	14(2)		
1752	22079.48(9)	11.4(8)			1781	22054.94(6)	26.0(10)	22054.98	
1753	22078.63(14)	7.8(15)			1782	22054.28(8)	13.5(10)		
1754	22078.11(9)	16.4(16)			1783	22053.32(6)	18.7(7)		
1755	<b>22077.14(5)</b>	182.1(8)	22077.13	<b>T- 4c-2a (1-1) Q3</b>	1784	22052.28(7)	13.5(7)		
1756	22076.12(7)	15.2(8)			1785	<b>22051.21(5)</b>	335.9(8)	22051.25	<b>T+ 4d-2c (2-2) R7</b>
1757	22075.35(6)	32.3(8)			1786	22050.33(6)	33.6(7)	22050.37	
1758	22074.45(5)	147.8(8)	22074.37	S+ 3F-2B (0-0) P5	1787	22049.42(6)	22.6(7)	22049.40	
1759	<b>22073.63(5)</b>	241.7(10)	22073.64	<b>T+ 4c-2a (0-0) P6</b>	1788	22046.60(10)	6.4(8)		
1760	22072.99(6)	101.9(10)	22072.99		1789	22045.92(10)	8.0(8)		
1761	22071.74(7)	32(3)			1790	22045.17(7)	21.5(8)	22045.15	
1762	22071.32(6)	58(3)	22071.46	S+ 3F-2B (3-5) P3	1791	22044.48(7)	20.6(8)	22044.43	
1763	22070.29(9)	19(3)			1792	22043.72(7)	15.1(7)	22043.63	
1764	22069.81(5)	131(2)	22069.76	S- 3F-2B (0-0) Q2	1793	22042.86(6)	22.7(7)	22042.80	S- 3E-2B (2-3) Q7
1765	22069.12(5)	82.2(11)	22069.21		1794	<b>22041.86(5)</b>	176.8(7)	22041.87	<b>T- 4c-2a (1-1) Q5</b>
1766	<b>22068.19(5)</b>	103.8(9)	22068.16		1795	22040.10(6)	26.7(7)	22040.13	
1767	22067.04(5)	56.4(11)			1796	22039.17(7)	9.9(7)		
1768	22066.37(5)	85.9(12)		S+ GK-2B (8-5) R0	1797	22038.05(6)	16.1(7)		
1769	22065.72(6)	73.8(12)			1798	22037.14(7)	15.6(7)		
1770	22065.01(7)	36.2(13)			1799	22036.27(6)	36.4(11)	22036.20	
1771	22064.41(7)	29.9(14)			1800	22035.68(6)	49.3(10)	22035.69	S+ 3F-2B (0-0) P4
1772	22063.54(6)	38.5(9)	22063.51		1801	22034.99(9)	12.5(11)		
1773	22062.41(8)	10.5(8)			1802	<b>22034.38(5)</b>	314.9(12)	22034.40	<b>T+ 4d-2c (3-3) R3</b>
1774	<b>22061.34(5)</b>	369.4(9)	22061.39	<b>T- 4c-2a (1-1) Q4</b>	1803	22033.39(6)	26.0(10)		
1775	22060.17(7)	17.6(11)			1804	<b>22032.79(5)</b>	85.1(9)	22032.74	<b>T+ 4c-2a (1-1) P2</b>
1776	<b>22059.55(5)</b>	86.1(11)	22059.64	<b>T+ 4d-2c (3-3) R2</b>	1805	22032.08(7)	20.2(8)	22032.17	
1777	22058.46(8)	9.5(8)			1806	22031.24(6)	25.4(10)	22031.19	
1778	22057.53(7)	15.7(9)	22057.53		1807	22030.67(7)	21.3(11)	22030.74	
					1808	22029.66(9)	13.2(18)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1809	22029.20(10)	11.2(18)			1838	22005.50(8)	21.0(13)		
1810	22028.25(9)	8.2(8)			1839	22004.95(4)	231.3(15)	22004.99	
1811	22027.25(6)	59.0(16)	22027.21		1840	22004.02(7)	14.5(7)		
1812	22026.76(8)	17.3(15)			1841	22003.30(6)	18.7(7)		
1813	22025.83(7)	63(7)			1842	22002.17(7)	12.9(10)		
1814	<b>22025.52(6)</b>	72(7)		T+ 4d-2c (3-3) Q2	1843	22001.59(5)	48.4(10)	22001.59	
1815	<b>22024.27(5)</b>	68.1(8)	22024.27	<b>T+ 4b-2a (1-0) P2</b>	1844	22000.12(6)	44(2)	22000.15	
1816	22023.51(8)	13.6(8)			1845	21999.65(7)	33.8(16)	21999.66	
1817	22022.69(6)	43.3(8)			1846	21999.08(6)	35.4(14)	21999.06	S+ 3E-2B (0-0) R4
1818	22021.88(6)	84(3)			1847	21997.96(5)	24.4(6)	21998.00	
1819	<b>22021.43(6)</b>	118(3)		<b>T+ 4c-2a (0-0) P7</b>	1848	21996.73(6)	33.9(8)	21996.73	
				S+ 3E-2B (0-0) P10	1849	21996.08(6)	19.9(8)	21996.05	
1820	22020.65(7)	36.9(15)			1850	21995.31(5)	41.3(10)	21995.30	
1821	22020.10(7)	31.7(14)			1851	21994.75(12)	6.3(10)		
1822	22019.44(6)	28.9(11)			1852	<b>21993.96(5)</b>	94.1(7)		<b>T+ 4c-2a (1-1) P3</b>
1823	<b>22018.57(5)</b>	313.1(9)	22018.59	<b>T- 4c-2a (1-1) Q6</b>	1853	21993.31(7)	9.4(7)		S- 3E-2B (4-6) Q5
1824	22017.66(7)	19.7(8)			1854	<b>21991.54(4)</b>	118.7(7)	21991.55	<b>T- 4c-2a (1-1) Q7</b>
1825	22016.87(7)	20.4(8)							S+ GK-2B (8-5) P3
1826	22016.13(5)	69.8(8)	22016.09	S+ GK-2B (8-5) P2	1855	21990.52(5)	46.2(7)	21990.51	
1827	22015.37(5)	112.3(8)	22015.37		1856	21989.83(9)	7.8(7)		
1828	22014.31(8)	8.6(7)			1857	21989.11(5)	44.1(6)	21989.18	
1829	22013.28(6)	18.8(7)			1858	21988.23(6)	19.5(8)		S+ 3E-2B (2-3) R2
1830	22012.41(6)	23.7(8)			1859	<b>21987.62(5)</b>	94.4(8)	21987.63	<b>T+ 4c-2a (2-2) R4</b>
1831	22011.54(6)	30.0(10)		S+ 3F-2B (0-0) P3	1860	21986.80(10)	8.4(10)		
1832	<b>22010.92(6)</b>	47.2(10)	22010.88	<b>T+ 4d-2c (2-2) Q5</b>	1861	21986.25(6)	19.7(10)	21986.34	
1833	22010.06(7)	12.0(8)			1862	21985.33(6)	14.8(6)		
1834	22009.04(5)	304.0(8)	22009.08	S- 3E-2B (0-0) Q10	1863	21984.43(5)	19.7(6)	21984.39	
1835	22008.04(7)	9.3(7)			1864	21983.25(6)	11.7(6)		
1836	22006.90(7)	9.9(7)			1865	21982.28(9)	8.5(9)		
1837	<b>22006.15(5)</b>	109.8(9)	22006.16	<b>T+ 4d-2c (3-3) R4</b>	1866	21981.68(10)	7.4(8)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
1867	21980.99(6)	14.0(7)			1896	<b>21957.29(5)</b>	123.2(13)	21957.25	<b>T+ 4c-2a (2-2) R2</b>
1868	21980.00(5)	50.1(8)	21979.99		1897	21956.74(5)	57.0(15)	21956.74	S- 3E-2B (2-3) Q5
1869	21979.42(6)	16.3(8)	21979.32						S+ GK-2B (3-1) R2
1870	21978.44(4)	203.7(6)	21978.48		1898	21955.82(9)	6.4(8)		
1871	<b>21977.46(5)</b>	82(4)	21977.41	<b>T+ 4d-2c (3-3) Q3</b> <b>T+ 4b-2a (1-0) P3</b>	1899	21954.48(8)	18.5(19)		
1872	21977.06(6)	72(3)			1900	21953.99(7)	29.5(17)	21954.05	
1873	21976.51(7)	23.0(16)			1901	21953.18(5)	68.4(9)	21953.19	
1874	<b>21975.65(4)</b>	222.3(7)	21975.63	<b>T+ 4d-2c (3-3) R5</b>	1902	21952.42(6)	86.0(16)	21952.49	
1875	21974.59(7)	30(4)			1903	<b>21951.88(5)</b>	166.4(15)	21951.81	<b>T+ 4c-2a (1-1) P4</b>
1876	21974.25(6)	53(4)			1904	21951.19(6)	41.2(10)	21951.18	S 3A-2B (3-6) R2
1877	21972.21(5)	47.5(10)							S+ GK-2B (3-1) R1
1878	21971.67(6)	18.8(10)			1905	21950.41(7)	24.1(9)	21950.33	
1879	21970.82(7)	11.2(6)			1906	21949.60(9)	12.9(9)		
1880	21970.00(5)	29.0(7)	21969.97		1907	21948.80(6)	87.2(10)	21948.78	S- 3F-2B (1-2) Q5
1881	21969.38(10)	5.7(8)			1908	21948.08(5)	651.1(12)	21948.07	S+ 3E-2B (0-0) P9
1882	21968.49(9)	6.5(8)			1909	21947.12(7)	30.4(16)		
1883	21967.36(4)	199.2(9)	21967.34		1910	21946.60(7)	31.9(16)	21946.65	
1884	21966.58(8)	41(6)			1911	21945.72(8)	14.3(8)		
1885	<b>21966.20(5)</b>	184(5)	21966.23	<b>T+ 4c-2a (0-0) P8</b>	1912	21944.54(8)	37(3)		S+ GK-2B (1-0) R13
1886	21965.61(5)	96.7(17)	21965.62		1913	21944.13(8)	37(3)		
1887	21964.93(8)	10.3(10)		S+ GK-2B (8-5) P4	1914	<b>21943.32(6)</b>	132.5(10)	21943.30	<b>T+ 4d-2c (3-3) R6</b>
1888	21963.89(6)	21.0(8)	21963.97		1915	21942.61(9)	10.9(9)		
1889	21962.98(6)	27.4(8)		S+ GK-2B (3-1) R3	1916	21941.70(7)	17.5(8)	21941.66	
1890	21962.22(7)	14.5(8)			1917	21940.82(6)	77.3(15)	21940.86	
1891	<b>21961.10(4)</b>	338.2(8)	21961.08	<b>T- 4c-2a (1-1) Q8</b>	1918	21940.29(8)	27.0(15)		
1892	21960.17(5)	68.1(10)	21960.14		1919	21939.31(5)	710.2(13)	21939.31	S- 3E-2B (0-0) Q9
1893	21959.54(8)	12.5(10)			1920	21938.56(7)	39.6(16)		S+ 3E-2B (2-3) R1
1894	21958.72(5)	36.1(8)	21958.80		1921	21938.05(6)	118.0(17)	21938.07	
1895	21957.87(8)	17.4(14)			1922	21936.93(7)	22.3(9)	21936.99	
					1923	<b>21936.23(6)</b>	57.3(9)	21936.23	<b>T+ 4c-2a (2-2) R1</b>

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1924	21935.32(8)	12.8(8)			1954	21910.10(7)	22.3(8)	21910.07	
1925	21934.28(8)	15.9(10)		S- 3E-2B (4-6) Q3	1955	<b>21909.44(6)</b>	180.2(9)	21909.41	<b>T+ 4d-2c (3-3) R7</b>
1926	21933.67(7)	39.6(9)	21933.69		1956	21908.35(6)	76.1(9)	21908.33	
1927	21932.93(6)	85.0(13)	21932.82		1957	<b>21907.65(6)</b>	105.5(9)	21907.64	<b>T+ 4c-2a (1-1) P5</b>
1928	21932.40(6)	90.6(14)	21932.30		1958	21906.37(6)	32.7(8)	21906.33	
1929	21931.47(5)	423.7(8)	21931.49		1959	21905.42(7)	21.8(9)	21905.32	
1930	21930.41(7)	21.4(7)			1960	21904.70(9)	14.0(9)		
1931	21929.55(8)	12.1(7)			1961	21903.98(12)	7.2(9)		
1932	21928.73(9)	14.8(13)			1962	21903.19(7)	23.3(9)	21903.17	
1933	21928.22(6)	58.1(14)	21928.29		1963	21902.39(6)	119.0(8)	21902.38	S+ GK-2B (4-2) R2
1934	21927.06(6)	73.0(9)	21927.06		1964	21901.33(8)	18.3(9)		
1935	21926.45(7)	22.5(9)	21926.56		1965	<b>21900.61(7)</b>	64.4(13)	21900.50	<b>T+ 4d-2c (4-4) R2</b>
1936	<b>21925.38(6)</b>	63.8(15)	21925.36	<b>T+ 4d-2c (3-3) Q4</b>	1966	21900.05(10)	13.3(14)		
1937	21924.81(7)	59.8(19)	21924.78		1967	21899.17(6)	71.5(9)	21899.11	S- 3E-2B (2-3) Q3
1938	<b>21924.30(7)</b>	64.2(18)	21924.26	<b>T+ 4b-2a (1-0) P4</b>	1968	21898.49(8)	13.9(9)	21898.51	
1939	21923.71(7)	50.2(13)	21923.69		1969	21897.49(9)	8.3(8)		
1940	21923.01(12)	9.3(9)			1970	21896.09(6)	41.2(8)	21896.11	
1941	21922.38(6)	75.2(10)	21922.33		1971	21895.33(8)	17.7(9)	21895.41	S+ 3E-2B (2-3) R0
1942	21921.50(6)	51.0(7)	21921.53		1972	21894.51(7)	22.7(9)		
1943	21920.00(9)	8.4(7)		S 3A-2B (3-6) R1	1973	21893.69(6)	399.0(10)	21893.74	S+ 3E-2B (0-0) P8
1944	21919.23(7)	33.0(10)	21919.28		1974	21892.46(7)	27.4(8)	21892.46	
1945	<b>21918.61(6)</b>	92.7(10)	21918.67	<b>T+ 4d-2c (4-4) R1</b>	1975	21891.33(8)	13.3(8)		
1946	21918.00(6)	53.8(10)	21918.09		1976	21890.51(9)	5.4(6)		
1947	21917.24(6)	121.3(8)	21917.32		1977	21889.81(4)	105.0(6)	21889.78	
1948	21914.66(11)	5.6(8)			1978	21888.89(7)	10.8(8)		
1949	21913.95(7)	27.6(8)	21913.97		1979	21888.32(6)	14.7(8)		
1950	21913.00(7)	17.6(7)	21913.10		1980	21887.41(5)	32.8(9)	21887.36	S+ GK-2B (4-2) R1
1951	21912.18(6)	73.3(17)	21912.15		1981	21886.83(6)	17.3(8)		S+ GK-2B (3-1) P2
1952	<b>21911.65(7)</b>	93.3(15)	21911.62	<b>T+ 4c-2a (2-2) R0</b>	1982	21886.10(5)	27.1(7)	21886.06	S- 3F-2B (1-2) Q4
1953	21911.14(9)	19.2(19)	21911.09		1983	21885.33(5)	50.9(17)	21885.35	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
1984	21884.90(5)	39.6(19)	21884.97		2013	21861.91(7)	10.0(8)		S- 3F-2B (4-7) Q3
1985	21883.93(6)	11.2(6)			2014	21861.24(7)	11.6(8)		
1986	21883.08(7)	6.6(6)			2015	<b>21860.36(5)</b>	104(6)	21860.34	<b>T- 4c-2a (2-2) Q3</b>
1987	21881.95(4)	59.3(6)	21881.95	S+ 3E-2B (2-3) P5	2016	<b>21860.04(4)</b>	230(6)	21860.06	<b>T+ 4c-2a (1-1) P6</b>
1988	21881.17(8)	8.2(7)			2017	21858.91(5)	26.3(7)	21858.92	
1989	21880.52(5)	21.9(7)		S- 3E-2B (2-3) Q2	2018	21857.83(10)	12(3)		
				S+ 3E-2B (4-6) P3	2019	21857.43(6)	44(3)	21857.42	
1990	<b>21879.71(4)</b>	67.3(6)	21879.72	<b>T- 4c-2a (2-2) Q1</b>	2020	21856.57(9)	10.3(12)		S+ GK-2B (3-1) P3
1991	21878.86(5)	23.3(8)			2021	21856.03(7)	17.0(12)		
1992	21878.23(4)	408.8(10)	21878.22	S- 3E-2B (0-0) Q8	2022	21855.03(6)	16.3(7)		
1993	<b>21877.51(4)</b>	146.2(6)	21877.54	<b>T+ 4d-2c (4-4) R3</b>	2023	21854.24(8)	13.1(11)		
1994	21876.55(6)	21.7(11)			2024	21853.66(5)	44.7(10)	21853.69	
1995	21875.97(7)	31(2)			2025	21852.97(5)	38.2(8)	21852.89	
1996	21875.53(9)	16(2)			2026	<b>21851.16(4)</b>	99.1(7)	21851.19	<b>T+ 4d-2c (4-4) R4</b>
1997	21874.77(9)	9.0(9)			2027	21850.11(5)	41.2(7)	21850.00	S+ 3E-2B (2-3) P3
1998	21874.19(4)	89.6(9)	21874.20	S 3A-2B (3-6) P1	2028	21849.27(4)	85.2(10)	21849.26	
1999	21873.35(6)	33(3)			2029	21848.69(5)	29.5(10)		
2000	21872.99(10)	13(3)			2030	21847.70(4)	103.7(11)		
2001	<b>21871.93(4)</b>	200.7(8)	21871.92	<b>T- 4c-2a (2-2) Q2</b>	2031	21846.29(7)	11.8(11)		
2002	21871.03(6)	25.0(17)			2032	<b>21844.98(4)</b>	260.9(11)	21844.99	<b>T- 4c-2a (2-2) Q4</b>
2003	<b>21870.56(6)</b>	28.9(17)	21870.64	<b>T+ 4d-2c (3-3) Q5</b>	2033	21843.31(5)	29.5(11)	21843.27	
2004	21869.13(4)	88.4(7)	21869.11		2034	21842.08(7)	12.1(11)		S+ 3E-2B (2-3) P2
2005	21868.27(5)	39.5(11)		S- 3E-2B (2-3) Q1	2035	21840.79(7)	13.6(11)		
2006	21867.71(5)	46.6(11)			2036	21839.93(5)	42.0(11)	21839.90	S+ 3E-2B (0-0) R2
2007	21866.82(6)	18.4(7)			2037	21839.03(4)	933.4(14)	21839.03	S+ 3E-2B (0-0) P7
2008	21865.99(5)	48.8(15)	21866.03	S+ GK-2B (1-0) R12	2038	21837.85(4)	129.1(11)		
2009	<b>21865.49(5)</b>	76.3(15)		<b>T+ 4d-2c (4-4) Q2</b>	2039	21836.56(5)	45.3(11)	21836.57	
2010	21864.59(4)	362.5(12)	21864.65	S+ 3E-2B (2-3) P4	2040	21834.89(5)	49.8(11)		
2011	21863.94(6)	19.1(10)			2041	21833.63(6)	25.5(13)	21833.66	
2012	21863.07(8)	6.3(7)			2042	21833.00(8)	13.4(13)		S- 3F-2B (4-7) Q2

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2043	21832.14(4)	43.4(11)	21832.13		2072	21808.15(4)	47.4(8)	21808.14	
2044	21831.44(5)	24.3(11)	21831.37		2073	21805.46(3)	68.2(7)	21805.48	
2045	21830.66(6)	18.6(10)			2074	21804.70(5)	15.8(7)		S+ GK-2B (9-6) R1
2046	21829.81(6)	9.3(9)			2075	21803.87(5)	12.8(7)		
2047	21828.54(6)	9.1(9)			2076	<b>21802.92(3)</b>	239.3(7)	21802.94	<b>T- 4c-2a (2-2) Q6</b>
2048	21827.63(5)	14.7(9)			2077	21801.99(5)	11.7(7)		
2049	<b>21826.61(3)</b>	199.0(9)	21826.62	<b>T+ 4b-2a (2-1) R2</b>	2078	21800.82(5)	45(4)	21800.82	
2050	<b>21825.70(3)</b>	1099.6(12)	21825.73	S- 3E-2B (0-0) Q7 <b>T- 4c-2a (2-2) Q5</b>	2079	21800.49(4)	62(4)	21800.49	
2051	21824.87(5)	19.7(9)			2080	21799.26(5)	13.6(7)		
2052	21824.10(5)	15.3(9)			2081	21798.25(5)	46(3)	21798.19	S+ GK-2B (9-6) R4
2053	21822.71(5)	30.7(15)			2082	21797.88(8)	18(3)		
2054	<b>21822.13(3)</b>	203.7(17)	21822.16	<b>T+ 4d-2c (4-4) R5</b>	2083	21797.12(4)	38.1(8)	21797.06	
2055	21821.58(5)	64.4(18)			2084	<b>21796.19(3)</b>	93.2(19)	21796.16	<b>T- 4c-2a (2-2) Q7</b>
2056	21821.08(5)	37(2)			2085	<b>21795.75(4)</b>	73.8(19)	21795.75	<b>T+ 4b-2a (2-1) R0</b>
2057	21820.33(3)	100.6(10)	21820.30						S+ GK-2B (4-2) P3 S+ GK-2B (3-1) P5
2058	21819.16(6)	23(2)			2086	21794.86(5)	12.9(8)		
2059	21818.71(6)	21(2)			2087	21794.17(4)	50.6(8)	21794.17	
2060	<b>21817.79(3)</b>	59.6(7)	21817.79	<b>T+ 4c-2a (2-2) P2</b>	2088	21793.42(4)	28.6(7)	21793.43	
2061	21817.05(8)	9.6(10)			2089	21792.37(3)	811.3(9)	21792.35	S+ GK-2B (1-0) R11
2062	21816.34(6)	10.5(7)			2090	21791.45(6)	27(2)		
2063	21815.49(3)	116.6(7)	21815.52		2091	<b>21790.99(4)</b>	106.3(17)	21790.92	<b>T+ 4d-2c (4-4) R6</b>
2064	<b>21814.60(4)</b>	92(3)	21814.62	<b>T+ 4b-2a (2-1) R1</b>	2092	21790.40(6)	17.7(11)		
2065	21814.21(6)	24(3)			2093	21789.55(4)	33.6(9)	21789.62	
2066	21812.23(6)	11.6(11)			2094	21788.57(5)	20.1(9)		
2067	21811.69(5)	25.7(10)	21811.74		2095	21787.54(3)	518.7(10)	21787.51	S+ 3E-2B (0-0) P6
2068	21810.91(6)	10.8(8)			2096	21786.53(5)	19.4(9)		
2069	21810.22(6)	13.3(8)			2097	21785.75(8)	6.3(9)		
2070	21809.51(3)	101.4(8)	21809.51		2098	21784.56(3)	66.2(9)	21784.60	
2071	21808.78(8)	8.3(8)			2099	21783.58(7)	8.0(9)		
					2100	21782.78(5)	29.0(16)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2101	21782.25(5)	36.2(15)			2131	21758.93(6)	24.2(12)		
2102	21781.55(3)	556.4(15)	21781.54	S- 3E-2B (0-0) Q6	2132	<b>21758.00(4)</b>	169.6(19)	21758.01	<b>T+ 4d-2c (4-4) R7</b>
2103	21780.90(4)	52.4(12)	21780.93		2133	<b>21757.44(7)</b>	29.5(17)		<b>T+ 4c-2a (3-3) R3</b>
2104	<b>21780.23(4)</b>	54.0(14)	21780.22	<b>T+ 4c-2a (2-2) P3</b>	2134	21756.78(7)	32.7(18)	21756.79	
2105	21779.68(4)	63.8(14)	21779.69		2135	21756.23(4)	156.0(19)	21756.25	
2106	21778.95(4)	46.3(10)	21778.99		2136	21755.43(5)	27.8(12)		
2107	21778.07(6)	14.0(9)			2137	21753.89(8)	10.6(12)		
2108	21777.32(5)	40.7(14)	21777.35		2138	21753.16(7)	14.7(13)		S+ GK-2B (5-3) R4
2109	21776.73(5)	78(3)			2139	21752.42(6)	20.0(12)		
2110	21776.26(4)	182(2)	21776.26		2140	21751.57(7)	12.3(12)		
2111	21775.75(6)	25(2)			2141	21748.64(6)	23.0(12)		
2112	21775.00(5)	23.4(9)	21774.95	S+ GK-2B (4-2) P4	2142	21747.77(6)	34.3(17)		
2113	21774.03(5)	17.4(10)			2143	21747.21(7)	28.5(16)		
2114	21773.39(4)	43.1(10)	21773.37		2144	21746.57(4)	156.6(15)	21746.56	
2115	21772.36(4)	57.7(7)	21772.36		2145	21745.52(4)	1214.1(14)	21745.53	S- 3E-2B (0-0) Q5
2116	21771.43(8)	12.3(14)			2146	21744.74(5)	33.6(13)		
2117	21770.94(5)	39.6(15)	21771.03		2147	21743.57(5)	31.9(12)		
2118	21769.62(4)	169.7(7)	21769.66	S+ 3E-2B (0-0) R1	2148	21742.48(4)	1067.4(13)	21742.47	S+ 3E-2B (0-0) P5
2119	21768.85(9)	7.8(8)			2149	<b>21741.47(5)</b>	60.8(17)		<b>T+ 4c-2a (3-3) R2</b>
2120	21768.20(6)	19.4(8)			2150	21740.90(7)	22.6(16)		
2121	21767.51(5)	37.8(7)	21767.48		2151	21740.17(7)	42(3)		
2122	21766.52(6)	10.2(6)			2152	<b>21739.74(4)</b>	131(3)	21739.74	<b>T+ 4c-2a (2-2) P4</b>
2123	<b>21765.67(6)</b>	12.4(7)		<b>T- 4c-2a (2-2) Q8</b>	2153	21737.89(5)	91(4)	21737.89	
2124	21764.95(6)	11.5(7)			2154	<b>21737.51(7)</b>	39(4)	21737.60	<b>T+ 4b-2a (2-1) P1</b>
2125	21763.90(6)	9.9(6)		S+ 3F-2B (2-4) R4	2155	21736.58(4)	128.5(15)		
2126	21763.01(5)	39.3(14)	21763.01		2156	21735.99(5)	76.7(15)	21735.98	
2127	21762.52(4)	73.1(14)	21762.54		2157	21734.89(4)	116.7(12)	21734.82	
2128	21761.46(6)	16.6(8)			2158	21734.10(6)	23.0(12)		
2129	21760.85(7)	12.4(8)			2159	21732.21(5)	16.9(7)		
2130	21759.95(5)	17.8(6)			2160	21731.34(10)	6.7(11)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2161	21730.75(8)	13.9(10)			2191	21705.92(7)	12.1(14)		
2162	21730.10(4)	95.9(10)	21730.02		2192	21705.43(8)	14.3(12)		
2163	21729.47(6)	27.1(11)	21729.48		2193	21704.72(6)	16.7(8)		S+ GK-2B (5-3) R3
2164	21728.92(6)	17.1(12)	21728.90		2194	21704.11(5)	37.2(8)	21704.18	S- 4E-2B (1-8) Q2
2165	21727.68(7)	8.5(7)			2195	21703.19(4)	495.2(14)	21703.20	S+ 3E-2B (0-0) P4
2166	21726.77(4)	64.6(7)	21726.77		2196	21702.36(8)	12.1(11)		
2167	21725.96(7)	14.7(13)			2197	21701.83(6)	16.5(11)		
2168	21725.45(6)	26.6(13)	21725.40		2198	21701.02(7)	8.7(6)		
2169	21724.44(4)	504.3(8)	21724.44	S+ GK-2B (1-0) R10	2199	21700.12(4)	61.4(13)	21700.14	
2170	21723.51(4)	114.4(8)	21723.53	S+ GK-2B (9-6) P3	2200	21698.94(8)	25(4)		
2171	21722.79(6)	22.6(10)			2201	<b>21698.45(5)</b>	128(3)	21698.49	S- 4E-2B (1-8) Q1
2172	21722.19(9)	9.4(10)							<b>T+ 4b-2a (2-1) P2</b>
2173	<b>21721.47(5)</b>	31.4(8)	21721.47	<b>T+ 4c-2a (3-3) R1</b>	2202	<b>21697.91(6)</b>	43(3)		<b>T+ 4c-2a (3-3) R0</b>
2174	21720.59(5)	32.5(7)	21720.56		2203	21696.68(6)	29.8(15)		
2175	21719.81(6)	11.6(7)			2204	21695.89(4)	1264.1(19)	21695.89	S- 3E-2B (0-0) Q3
2176	21718.91(4)	68.9(7)	21718.97	S- 4E-2B (1-8) Q3	2205	21695.01(6)	26.6(14)		
2177	21718.08(6)	13.5(7)			2206	21693.92(4)	49.6(14)	21693.91	
2178	21717.17(4)	605.9(8)	21717.15	S- 3E-2B (0-0) Q4	2207	21690.86(5)	33.0(14)	21690.92	S+ GK-2B (5-3) R2
2179	21716.09(4)	39.0(7)	21716.01	S- 3E-2B (3-5) Q8	2208	21689.66(8)	11.5(14)		
2180	21715.16(7)	8.2(7)			2209	21688.75(7)	15.6(14)		
2181	21713.96(5)	34.7(7)	21714.00		2210	21687.74(4)	104.2(14)	21687.73	
2182	21713.27(4)	47.9(7)	21713.34		2211	21686.03(7)	14.5(14)		S+ GK-2B (5-3) R1
2183	21712.50(7)	8.0(7)			2212	21685.25(10)	9.1(14)		
2184	21711.75(8)	7.5(7)			2213	21684.31(5)	49.9(14)	21684.26	
2185	21711.04(6)	11.5(7)			2214	21683.43(7)	13.6(14)		
2186	21710.16(4)	109.1(7)	21710.14	S+ 3E-2B (0-0) R0	2215	21681.03(4)	444.5(14)	21681.03	S- 3E-2B (0-0) Q2
2187	21709.50(4)	42.6(7)	21709.54		2216	21678.65(6)	31.1(17)		
2188	21708.74(4)	58.4(6)	21708.77		2217	21678.05(4)	116.5(17)	21678.01	
2189	21707.77(5)	18.1(7)	21707.74		2218	21676.79(5)	51(2)	21676.74	
2190	21707.09(8)	6.1(7)			2219	21676.28(6)	32(2)	21676.27	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2220	21674.44(8)	11.4(11)			2249	<b>21648.35(5)</b>	96.9(16)	21648.37	<b>T- 4c-2a (3-3) Q3</b>
2221	21673.71(5)	39.5(13)	21673.73	S- 3F-2B (2-4) Q5	2250	21647.54(9)	14.2(16)		
2222	21673.09(7)	22.9(14)			2251	21644.43(9)	12.2(16)		
2223	21672.47(7)	19.9(13)			2252	21642.73(5)	36.8(6)	21642.67	
2224	21671.67(4)	1278(13)	21671.65	S- 3E-2B (0-0) Q1	2253	21641.38(5)	37.7(14)	21641.46	
				S+ 3E-2B (0-0) P3	2254	21640.89(11)	7.8(13)		
2225	21671.36(10)	38(13)		S+ 3E-2B (0-0) P3	2255	21640.15(5)	29.5(7)	21640.19	
2226	21670.71(6)	29.3(16)			2256	21639.13(7)	11.9(8)		
2227	21669.66(7)	11.2(10)			2257	21638.45(6)	25.4(11)		
2228	21668.68(7)	10.5(10)			2258	21637.94(6)	27.2(12)		
2229	<b>21667.37(4)</b>	44.8(10)	21667.38	<b>T- 4c-2a (3-3) Q1</b>	2259	21637.12(5)	26.1(7)	21637.12	
2230	21666.57(5)	41.9(11)	21666.57		2260	21633.71(5)	76(3)		
2231	21665.73(8)	10.2(11)			2261	<b>21633.30(5)</b>	116(2)	21633.30	<b>T- 4c-2a (3-3) Q4</b>
2232	21664.92(6)	20.0(11)			2262	21632.82(6)	41(2)		
2233	21664.17(6)	19.3(11)			2263	21631.92(6)	14.5(7)		
2234	21663.24(4)	1254.7(14)	21663.22	S+ GK-2B (1-0) R9	2264	21631.03(9)	5.2(6)		
2235	21662.38(5)	24.4(11)			2265	21629.24(5)	53.6(6)	21629.23	
2236	21661.54(6)	15.0(10)			2266	21628.07(8)	6.9(6)		
2237	21660.48(5)	77.2(14)	21660.47	S- 3E-2B (3-5) Q7	2267	21626.98(5)	54.0(7)		
2238	<b>21659.78(4)</b>	98.6(14)	21659.80	<b>T- 4c-2a (3-3) Q2</b>	2268	21626.24(7)	10.4(7)		
2239	21658.59(8)	14.7(16)			2269	21625.43(8)	10.3(8)		
2240	21657.49(9)	17.3(18)			2270	21624.82(9)	7.0(8)		
2241	21656.82(5)	112.7(18)	21656.79		2271	21623.38(4)	233.8(8)	21623.32	S- 3E-2B (1-2) Q9
2242	21655.85(7)	20.9(16)			2272	21622.30(7)	9.5(6)		
2243	21655.01(9)	22(2)			2273	21621.35(6)	22.6(7)		
2244	21654.45(6)	64(2)	21654.43		2274	21620.63(9)	7.0(8)		
2245	21653.52(6)	63(4)	21653.60		2275	21619.98(7)	13.7(8)		
2246	<b>21653.07(5)</b>	132(4)	21653.13	<b>T+ 4b-2a (2-1) P3</b>	2276	21619.02(7)	9.0(7)		
2247	21651.08(4)	242.8(16)	21651.07	S+ 3E-2B (0-0) P2	2277	21618.05(9)	6.1(7)		
2248	<b>21649.88(5)</b>	129.1(16)	21649.83	<b>T+ 4c-2a (2-2) P6</b>	2278	21617.30(9)	7.3(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2279	21616.61(5)	29.6(7)	21616.61	<b>T- 4c-2a (3-3) Q5</b>	2309	21595.00(7)	81.2(7)	21581.01	S+ GK-2B (2-1) R1 <b>T- 4c-2a (3-3) Q6</b>
2280	21615.90(11)	4.7(7)			2310	21594.28(8)	20.7(7)		
2281	21615.07(11)	6.5(11)			2311	21593.56(7)	41.3(8)		
2282	<b>21614.53(5)</b>	63.2(10)	21614.54		2312	21592.98(14)	5.0(9)		
2283	21613.72(13)	9(3)			2313	<b>21592.15(7)</b>	93.3(9)		
2284	21613.30(6)	47(2)	21613.19	S- 3E-2B (3-5) Q6	2314	21590.55(9)	15.1(10)	21576.62	S+ GK-2B (2-1) R0 <b>T- 4c-2a (3-3) Q7</b>
2285	21612.62(9)	12.6(9)			2315	21589.67(7)	41.8(11)		
2286	21612.06(5)	54.0(11)	21612.10		2316	21588.99(10)	14.2(11)		
2287	21611.01(5)	26.3(6)	21611.02	S+ GK-2B (1-0) R8	2317	21588.25(8)	28.9(12)		
2288	21610.13(6)	125(2)	21610.09		2318	21587.64(9)	15.6(12)		
2289	21609.64(5)	777(3)	21609.67		2319	21586.78(11)	8.2(10)		
2290	21608.59(8)	37(3)			2320	21584.38(7)	41.3(10)		
2291	21608.21(12)	15(3)			2321	21583.68(8)	26.4(10)		
2292	<b>21607.45(8)</b>	51.8(13)		<b>T+ 4c-2a (3-3) P2</b>	2322	21581.56(10)	15.0(12)		
2293	21606.96(9)	20.5(15)		S- 3E-2B (5-8) Q7	2323	21580.98(8)	47.5(12)		
2294	21606.08(10)	7.7(6)			2324	21580.31(9)	14.9(11)		
2295	21605.26(8)	20.1(7)			2325	21579.55(8)	28.4(10)		
2296	21604.56(8)	14.9(7)			2326	21578.59(9)	14.7(10)		
2297	21603.80(9)	9.8(6)			2327	21577.81(8)	21.2(10)		S+ 3F-2B (2-4) P6
2298	21602.93(7)	81.7(10)	21603.05		2328	21576.57(8)	45.3(17)	21576.62	<b>T- 4c-2a (3-3) Q7</b>
2299	21602.39(10)	13.1(10)			2329	<b>21576.06(8)</b>	43.9(15)	21576.12	
2300	21601.63(7)	55.8(13)			2330	21575.37(13)	10.9(14)		
2301	<b>21601.10(7)</b>	89.8(12)	21601.18	<b>T+ 4b-2a (2-1) P4</b>	2331	21574.82(9)	32.0(14)	21574.87	
2302	21600.58(7)	57.7(14)			2332	21574.26(10)	18.0(15)		
2303	21599.57(7)	21.3(6)			2333	21573.43(11)	7.6(10)		S- 3E-2B (3-5) Q5 S+ WZ-2B (0-5) R2
2304	21598.67(8)	30.4(9)		S+ GK-2B (2-1) R2	2334	21571.02(7)	126.3(10)	21570.99	
2305	21598.07(8)	44.3(9)		S+ GK-2B (2-1) R3	2335	21570.16(9)	15.5(10)		
2306	21597.47(10)	14.8(9)			2336	21569.43(10)	12.3(10)		
2307	21596.81(7)	36.0(7)			2337	21568.73(7)	63.7(10)	21568.66	
2308	21595.86(8)	12.0(6)			2338	21567.91(10)	12.3(10)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2339	21567.20(11)	8.9(10)			2367	21542.86(9)	5.6(6)		
2340	21566.39(7)	52.2(10)	21566.41		2368	21541.14(5)	43.5(6)	21541.17	
2341	21565.68(7)	44.8(11)	21565.65		2369	21539.99(6)	11.9(6)		
2342	21564.94(7)	47.5(10)	21564.92		2370	21539.05(5)	35.8(6)	21539.06	
2343	21564.10(6)	1857.5(16)	21564.00	S+ 3F-2B (2-4) R1	2371	21537.93(6)	14.6(6)		
				S+ GK-2B (1-0) R7	2372	21536.98(4)	176.1(7)	21536.94	S- 3E-2B (3-5) Q4
2344	21563.31(8)	56(4)			2373	21536.00(5)	80.2(6)	21536.03	
2345	21562.92(8)	72(4)	21562.95		2374	21534.85(7)	12.5(7)		
2346	21561.98(10)	15.3(14)			2375	21534.16(7)	8.8(7)		
2347	21561.43(9)	21.4(13)			2376	21532.61(8)	10.3(13)		
2348	21560.74(8)	29.9(11)			2377	21532.08(6)	37.6(12)	21532.08	S+ 3F-2B (2-4) P5
2349	21559.96(9)	16.0(10)			2378	<b>21531.56(5)</b>	68.9(13)	21531.54	<b>T+ 4c-2a (3-3) P4</b>
2350	21559.26(7)	195.3(10)	21559.18	S- 3E-2B (5-8) Q6	2379	21530.92(7)	13.9(9)		
				S- 3E-2B (1-2) Q8	2380	<b>21530.22(5)</b>	45.0(7)	21530.23	<b>T+ 4c-2a (4-4) R2</b>
2351	21558.52(8)	27.8(10)			2381	21529.43(5)	41.0(7)	21529.48	
2352	21557.19(10)	7.2(9)			2382	21528.73(7)	9.8(7)		
2353	21556.47(8)	13.1(9)			2383	21527.93(6)	20.6(7)		
2354	<b>21555.71(6)</b>	33.8(8)	21555.72	<b>T+ 4c-2a (4-4) R4</b>	2384	21527.01(5)	47.2(8)		
2355	21554.23(4)	89.0(6)	21554.27		2385	21526.30(4)	979.6(13)	21526.28	S+ GK-2B (1-0) R6
2356	21553.13(7)	8.4(6)			2386	21525.54(5)	49.5(8)		
2357	21552.10(5)	27.1(6)	21552.08		2387	21524.87(5)	80.1(7)	21524.89	
2358	21551.10(4)	150.9(7)	21551.13		2388	21523.99(5)	86.8(7)	21523.97	
2359	21550.07(5)	56.6(7)	21549.95		2389	21523.28(5)	93.9(7)	21523.31	
2360	21549.21(6)	28.8(15)			2390	21522.47(7)	10.5(7)		
2361	21548.71(5)	109.2(15)	21548.69		2391	21521.03(15)	2.3(7)		
2362	21547.68(5)	22.9(6)			2392	21519.75(11)	3.6(7)		
2363	21546.60(5)	27.5(6)	21546.67		2393	21518.84(10)	5.5(8)		
2364	21545.67(5)	37.5(7)	21545.64		2394	21518.23(6)	29.0(8)	21518.24	S- 3E-2B (5-8) Q5
2365	<b>21544.87(6)</b>	21.8(7)		<b>T+ 4c-2a (4-4) R3</b>	2395	21517.52(8)	11.7(9)		
2366	21543.85(9)	5.2(6)			2396	21516.93(9)	11.2(9)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2397	21516.32(5)	36.3(9)			2427	21491.86(3)	121.3(11)	21491.89	
2398	21515.57(5)	35.9(7)	21515.55		2428	21491.01(7)	11.5(12)		
2399	21514.08(5)	49.7(7)	21514.06	S+ 3E-2B (1-2) R3	2429	21490.27(4)	31.1(14)		
2400	21513.16(5)	29.6(7)	21513.10		2430	21489.63(3)	70.3(16)		
2401	21512.41(9)	6.9(7)			2431	21489.08(4)	44.5(18)		
2402	<b>21511.68(6)</b>	18.4(7)		<b>T+ 4c-2a (4-4) R1</b>	2432	21488.23(6)	9.9(11)		
2403	21509.89(5)	118.0(13)	21509.88	S- 3E-2B (3-5) Q3	2433	21486.07(7)	8.5(10)		
2404	21509.27(9)	13.0(12)			2434	21484.38(4)	18.8(11)		S- 3E-2B (5-8) Q4
2405	21508.61(8)	12.8(12)			2435	21483.52(5)	18.8(11)		
2406	21507.77(9)	9.3(10)			2436	21482.71(3)	100.0(11)	21482.68	
2407	21506.92(6)	29.6(12)			2437	21481.60(5)	13.5(11)		
2408	21506.29(9)	9.6(12)			2438	21480.64(3)	42.0(11)	21480.60	
2409	21505.21(11)	9.6(16)			2439	21479.81(4)	30.8(11)	21479.85	
2410	21504.65(6)	69.8(16)	21504.68	S+ 3F-2B (0-1) R5	2440	21478.40(4)	19.0(11)		
2411	21504.11(6)	35.6(18)			2441	21477.70(3)	39.5(11)	21477.69	
2412	21503.26(4)	416.5(11)	21503.21	S- 3E-2B (1-2) Q7	2442	21477.04(5)	20.7(12)		
2413	21502.35(6)	22.3(11)			2443	21476.39(3)	64.4(11)	21476.41	S- 3E-2B (3-5) Q1
2414	21501.67(6)	25.0(12)			2444	21475.45(4)	23.2(10)		
2415	21500.97(8)	13.4(11)			2445	21474.48(2)	1078.4(13)	21474.50	S+ GK-2B (1-0) R4
2416	21500.19(5)	26.9(13)			2446	21473.62(4)	19.2(10)		
2417	21499.54(5)	39.1(14)		S- 4E-2B (3-12) Q3	2447	21472.79(6)	16.7(14)		
2418	21498.97(4)	76.2(16)	21498.98	S+ GK-2B (2-1) P3	2448	21472.23(7)	15.1(14)		
2419	21498.04(5)	17.5(11)			2449	21471.61(7)	10.0(12)		
2420	21497.19(3)	149(2)			2450	21469.21(5)	14.3(11)		S+ GK-2B (6-4) P4
2421	21496.60(2)	2119(3)	21496.61	S+ GK-2B (1-0) R5	2451	21468.54(2)	151.0(11)	21468.54	S- 3F-2B (0-1) Q7
2422	21495.64(5)	26.5(15)			2452	21466.85(3)	43.4(10)		S+ GK-2B (2-1) P4
2423	21495.07(4)	29.9(15)			2453	21466.05(4)	18.6(10)		
2424	21494.04(4)	39.8(13)	21494.03		2454	21465.09(3)	45.3(10)		
2425	21493.37(8)	14.5(16)			2455	21464.07(3)	50.5(10)		S+ 3E-2B (3-5) P3
2426	21492.81(3)	71.9(17)			2456	21462.82(7)	7.0(10)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2457	21461.49(7)	10.7(12)			2487	21437.63(5)	18.4(6)		S- 3E-2B (5-8) Q2
2458	21460.88(6)	14.3(12)			2488	21436.76(5)	47.3(15)	21436.75	
2459	21460.22(4)	40.3(12)			2489	21436.31(5)	34.3(14)		
2460	21459.51(2)	1905.0(18)	21459.49	S+ GK-2B (1-0) R3	2490	21435.54(4)	148.7(6)	21435.54	
2461	21458.69(4)	26.8(11)			2491	21434.77(6)	23.2(13)		
2462	21457.95(3)	132(3)	21457.97	S+ 3E-2B (1-2) R2	2492	21434.27(4)	166.4(12)	21434.33	
2463	21457.55(4)	63(3)		S- 3E-2B (5-8) Q3	2493	21433.61(6)	17.3(7)		
2464	21456.33(4)	25.8(10)		S+ 3E-2B (3-5) P2	2494	21432.78(6)	11.6(6)		
2465	21455.43(2)	237.9(10)	21455.45	S- 3E-2B (1-2) Q6	2495	21431.99(5)	25.8(7)	21432.03	
2466	21453.59(4)	21.3(9)	21453.57	S+ WZ-2B (0-5) P4	2496	21431.33(8)	8.9(7)		
2467	<b>21452.65(3)</b>	86.5(15)		<b>T- 4c-2a (4-4) Q2</b>	2497	21430.68(8)	7.4(7)		
2468	21452.12(4)	31.3(13)			2498	21429.70(5)	61.9(16)	21429.73	S+ GK-2B (2-1) P5
2469	21451.52(3)	43.5(12)	21451.52		2499	21429.27(8)	12.6(15)		
2470	21450.59(2)	742.0(10)	21450.57	S+ GK-2B (1-0) R2	2500	21428.48(8)	5.4(6)		
2471	21449.76(2)	189.1(9)	21449.74		2501	21427.44(4)	114.5(6)	21427.48	
2472	21448.89(3)	34.8(9)			2502	<b>21426.67(4)</b>	76.9(6)	21426.73	<b>T- 4c-2a (4-4) Q4</b>
2473	21448.20(3)	124.9(10)	21448.20		2503	21425.72(6)	11.3(6)		
2474	21447.59(5)	15.0(11)			2504	21425.01(6)	12.0(6)		
2475	21446.71(4)	22.9(9)			2505	21424.27(5)	25.4(6)		S- 3E-2B (5-8) Q1
2476	21445.90(2)	1002.4(12)	21445.88	S+ GK-2B (1-0) R1	2506	21423.57(6)	15.0(6)		
2477	21445.14(4)	22.0(9)			2507	21422.73(5)	32.5(6)		
2478	21444.24(3)	75.9(19)	21444.25	S+ GK-2B (6-4) P5	2508	21421.99(5)	40.3(12)		
2479	21443.78(3)	84.5(18)	21443.75		2509	21421.51(5)	33.7(12)		
2480	21442.97(6)	8.2(9)			2510	21417.82(5)	62.8(12)		
2481	21442.00(2)	229.1(11)	21442.00	S+ GK-2B (1-0) R0	2511	21417.24(4)	77.6(11)		
2482	<b>21441.40(4)</b>	37.3(11)	21441.42	<b>T- 4c-2a (4-4) Q3</b>	2512	21416.46(4)	403.3(10)	21416.45	
2483	21440.74(4)	24.6(11)			2513	21415.51(4)	534.6(10)	21415.49	S- 3E-2B (1-2) Q5
2484	21440.14(3)	50.1(11)	21440.14		2514	21414.62(7)	22.0(19)		
2485	21439.16(7)	10.4(7)			2515	21414.15(7)	20.3(18)		
2486	21438.56(4)	29.4(8)	21438.55		2516	21413.45(4)	289.2(10)	21413.45	S+ GK-2B (1-0) P1

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2517	21411.76(6)	18.9(9)			2546	21383.26(4)	267(5)	21383.28	S- 3E-2B (1-2) Q4
2518	21410.94(6)	16.0(9)			2547	21382.94(4)	166(5)	21382.95	S+ GK-2B (1-0) P2
2519	21409.88(5)	25.9(10)			2548	21381.74(4)	332.6(8)	21381.77	S- 3E-2B (0-1) Q13
2520	21409.22(7)	13.8(10)			2549	21380.73(4)	62.2(7)	21380.76	
2521	<b>21408.33(5)</b>	42.0(9)	21408.34	<b>T- 4c-2a (4-4) Q5</b>	2550	21379.89(7)	7.6(7)		
2522	21405.25(5)	43.0(9)	21405.17	S+ GK-2B (7-5) R0	2551	21378.63(5)	41.9(14)		
2523	21404.14(7)	15.6(14)			2552	21378.16(5)	59.5(14)		S- 3F-2B (0-1) Q6
2524	21403.61(5)	51.5(13)	21403.71	S+ GK-2B (7-5) R1	2553	21377.09(6)	13.7(9)		
2525	21402.96(4)	125.1(14)	21402.90	S+ 3E-2B (1-2) R1	2554	21376.50(5)	27.1(9)	21376.45	
				S+ 3F-2B (0-1) R4	2555	21374.85(5)	34.0(7)	21374.91	
2526	<b>21402.41(7)</b>	29.4(17)		<b>T+ 4c-2a (4-4) P2</b>	2556	21372.57(6)	11.6(6)		
2527	21401.94(7)	20(2)			2557	21371.55(7)	8.9(6)		
2528	21399.30(7)	20.6(17)			2558	21370.56(7)	11.0(6)		
2529	21398.82(7)	19.4(16)			2559	21369.50(6)	16.3(7)		
2530	21398.05(4)	95.0(9)	21398.04		2560	21368.65(7)	9.6(7)		
2531	21396.95(4)	225.0(8)	21396.92		2561	21367.49(6)	21.3(10)		
2532	21396.13(5)	46.4(15)			2562	<b>21366.83(5)</b>	73.8(10)	21366.75	T+ 4c-2a (4-4) P3
2533	21395.64(5)	61.5(16)	21395.61		2563	21365.92(7)	18.1(9)		
2534	21394.48(5)	30.4(7)	21394.47		2564	21365.14(6)	25.0(9)		S+ EF-2B (32-3) P4
2535	21393.43(6)	12.3(7)			2565	21364.37(9)	8.8(9)		
2536	21392.70(4)	53.0(7)	21392.72		2566	21363.47(7)	23.1(15)		
2537	21391.30(6)	13.9(7)			2567	21362.91(5)	49.4(16)	21362.93	
2538	21390.46(4)	196.7(7)	21390.42	S+ 3E-2B (1-2) P6	2568	21361.76(9)	11.1(13)		
2539	21389.39(7)	7.1(7)			2569	<b>21361.09(7)</b>	37.4(16)		T- 4c-2a (4-4) Q7
2540	21387.96(6)	17.2(8)			2570	<b>21360.50(8)</b>	31.0(16)		<b>T- 4c-2a (4-4) Q7</b>
2541	21387.28(6)	17.5(8)			2571	21359.88(5)	84.4(16)	21359.89	
2542	<b>21386.47(4)</b>	64.2(7)	21386.46	<b>T- 4c-2a (4-4) Q6</b>	2572	21358.86(5)	98.3(17)		
2543	21385.72(4)	101.2(7)	21385.69		2573	21358.28(4)	359.2(19)	21358.27	S- 3E-2B (1-2) Q3
2544	21384.86(9)	5.8(7)			2574	21357.10(6)	22.6(10)		
2545	21384.14(6)	16.1(8)			2575	21356.40(5)	59.6(10)	21356.43	S+ 3E-2B (1-2) R0

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2576	21355.59(6)	24.4(9)			2605	21326.89(8)	15.7(11)		
2577	21354.73(5)	50.9(9)	21354.70		2606	21326.14(6)	33.3(9)	21326.14	
2578	21353.85(5)	35.1(8)	21353.87		2607	21325.10(6)	22.6(9)	21325.14	
2579	21352.80(6)	17.7(8)			2608	21324.31(6)	31.5(9)		
2580	21351.80(5)	82.4(16)			2609	21323.49(6)	29.4(9)	21323.44	
2581	21351.22(4)	277.8(16)	21351.22	S+ 3E-2B (1-2) P5	2610	21322.65(8)	12.5(8)		
2582	21350.51(4)	106.2(11)	21350.55		2611	21321.69(7)	13.9(8)		
2583	21349.37(6)	15.6(8)			2612	21320.78(7)	13.3(8)		
2584	21348.33(5)	68.1(18)			2613	21319.62(6)	44.3(12)	21319.60	
2585	21347.79(4)	251.2(19)	21347.80	S- 3F-2B (3-6) Q4	2614	21319.02(7)	26.0(11)	21319.04	
				S+ GK-2B (1-0) P3	2615	21318.29(7)	17.9(9)		
2586	21346.62(6)	18.6(8)			2616	21317.37(8)	11.1(8)		
2587	21345.77(6)	17.8(9)			2617	21316.49(7)	13.7(8)		
2588	21344.78(5)	46.9(8)	21344.71		2618	21315.57(6)	29.7(8)	21315.60	S+ GK-2B (1-0) P12
2589	21343.87(6)	21.7(9)	21343.87		2619	21314.65(7)	22.0(9)	21314.75	
2590	21343.12(5)	34.7(9)	21343.12		2620	21313.87(5)	155.2(9)	21313.88	S+ GK-2B (1-0) P4
2591	21342.21(9)	11.0(10)			2621	21312.87(10)	10.4(15)		
2592	21341.50(6)	25.6(10)			2622	21312.34(7)	35.9(14)	21312.23	
2593	21340.68(6)	37.3(15)			2623	21311.44(5)	278.9(11)	21311.50	S+ 3E-2B (1-2) P3
2594	21340.11(4)	135.9(17)	21340.11	S- 3E-2B (1-2) Q2	2624	21310.91(5)	180.9(14)	21310.92	S+ 3F-2B (0-1) R3
2595	21338.29(8)	7.3(7)			2625	21309.84(8)	17.7(12)		
2596	21337.32(6)	12.4(7)			2626	21309.26(6)	33.0(12)	21309.39	
2597	21333.66(7)	13.9(8)			2627	21308.37(7)	14.5(8)		
2598	21332.53(6)	35.1(8)	21332.49		2628	21307.50(7)	18.2(8)	21307.39	
2599	21331.53(6)	25.2(8)	21331.54		2629	21306.65(6)	20.9(8)	21306.66	
2600	21330.65(5)	190.1(9)	21330.61	S+ 3E-2B (1-2) P4	2630	21305.84(7)	12.1(8)		
2601	21329.83(9)	9.8(10)			2631	21304.90(7)	13.3(8)		
2602	21329.13(9)	10.5(10)		S+ EF-2B (32-3) P5	2632	21303.99(6)	23.2(8)	21304.00	
2603	<b>21328.28(5)</b>	352.6(12)		T+ 4c-2a (4-4) P4	2633	21303.24(8)	10.4(8)		S- 3F-2B (3-6) Q3
2604	21327.52(9)	14.6(11)			2634	21302.18(7)	16.3(8)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2635	21301.39(5)	85.8(8)	21301.40	S+ 3E-2B (1-2) P2	2665	21275.97(8)	8.7(7)		
2636	21300.62(6)	32.6(8)		S+ GK-2B (7-5) P5	2666	21275.34(7)	12.8(7)		
2637	21299.58(8)	9.9(8)			2667	21274.22(7)	8.7(7)		
2638	21298.44(5)	91.9(8)	21298.42	S- 3F-2B (0-1) Q5	2668	21272.46(8)	6.3(7)		
2639	21296.88(11)	5.8(9)			2669	21271.44(7)	9.5(7)		
2640	21296.20(7)	24.3(11)	21296.26		2670	21270.00(8)	6.8(7)		
2641	21295.63(9)	13.1(11)			2671	21268.96(8)	6.8(7)		
2642	21294.97(8)	12.9(9)			2672	21268.00(6)	13.9(7)		S+ 3F-2B (3-6) P5
2643	21294.29(8)	10.8(9)			2673	21267.27(6)	14.4(7)		
2644	21293.26(5)	195.9(8)	21293.25		2674	21266.42(6)	22.8(7)	21266.36	
2645	21292.21(6)	40.9(8)	21292.18		2675	21265.56(4)	113.5(8)	21265.56	S+ WY-2B (0-0) R2
2646	21291.22(7)	39(4)	21291.23						S+ 3F-2B (0-1) P7
2647	21290.86(13)	16(4)			2676	21264.53(8)	7.6(7)		
2648	21290.27(11)	11.8(13)			2677	21263.69(7)	10.1(7)		
2649	21289.68(8)	13.7(11)			2678	21262.86(4)	106.5(8)	21262.86	S+ GK-2B (1-0) P6
2650	21288.82(5)	304.0(9)	21288.83		2679	21261.95(8)	8.2(7)		
2651	21287.80(9)	7.7(8)			2680	21261.08(5)	56.7(7)	21261.08	S+ GK-2B (1-0) P10
2652	21286.91(6)	40.4(17)	21286.90		2681	21260.23(8)	8.7(8)		
2653	<b>21286.42(8)</b>	29.2(14)	21286.43	<b>T+ 4c-2a (4-4) P5</b>	2682	21259.53(9)	8.0(8)		
2654	<b>21285.90(8)</b>	17.6(15)		<b>T+ 4c-2a (5-5) R0</b>	2683	21258.71(6)	21.3(7)	21258.75	S+ WY-2B (0-0) R0
2655	21284.91(5)	437.1(8)	21284.92	S+ GK-2B (1-0) P5	2684	<b>21257.95(7)</b>	15.4(8)	21257.91	<b>T- 4c-2a (5-5) Q1</b>
2656	21283.77(5)	59.4(8)	21283.72	S+ GK-2B (1-0) P11	2685	21257.28(9)	9.5(8)	21257.29	
2657	21283.16(6)	22.9(8)	21283.12		2686	21256.58(13)	4.3(8)		
2658	21281.99(7)	16.1(8)	21281.91		2687	21255.79(11)	4.2(7)		
2659	21281.36(8)	11.6(8)	21281.29		2688	21254.57(4)	77.8(5)	21254.59	S- 3E-2B (4-7) Q7
2660	21280.71(9)	8.2(7)			2689	21253.71(5)	23.9(5)	21253.77	
2661	21279.89(5)	197.1(7)	21279.95	S+ WY-2B (0-0) R1	2690	21252.79(8)	6.1(5)		
2662	21279.15(10)	5.5(7)			2691	21252.05(7)	8.5(6)		
2663	21277.65(10)	5.4(7)			2692	21251.37(5)	20.9(5)	21251.31	
2664	21277.02(9)	7.8(7)		S- 3E-2B (0-1) Q12	2693	<b>21250.50(4)</b>	194.7(6)	21250.54	T- 4c-2a (5-5) Q2

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2694	21249.88(5)	28.4(6)	21249.98		2722	21227.55(4)	129.9(7)	21227.66	S- 3E-2B (2-4) Q8
2695	21248.89(4)	175.8(5)	21248.87	S+ GK-2B (1-0) P7	2723	21226.72(5)	22.1(6)	21226.77	
				S+ 3E-2B (0-1) R6	2724	21225.35(5)	35.1(6)	21225.33	
2696	21247.70(4)	100.1(10)	21247.71	S+ GK-2B (1-0) P9	2725	21224.56(7)	9.2(6)		
2697	21247.24(10)	5.2(10)			2726	21223.44(8)	6.0(6)		
2698	21245.90(9)	4.1(5)			2727	21222.29(6)	12.7(6)	21222.33	S+ GK-2B (8-6) R1
2699	21245.09(8)	6.3(5)			2728	21221.20(7)	8.2(7)		
2700	21244.40(7)	8.5(6)		S 3A-2B (2-5) P1	2729	21220.54(5)	23.6(7)	21220.48	
2701	21243.67(5)	68(2)	21243.67	S+ GK-2B (1-0) P8	2730	21219.54(8)	5.6(6)		
2702	21243.30(5)	71(2)	21243.30		2731	21218.73(6)	14.1(6)	21218.74	
2703	21242.54(8)	7.6(6)			2732	21217.70(5)	29.0(6)	21217.70	
2704	<b>21241.88(5)</b>	43.0(6)	21241.83	<b>T+ 4c-2a (4-4) P6</b>	2733	21216.66(7)	6.9(6)		
2705	21240.16(12)	3.7(8)			2734	21215.71(5)	54.8(6)	21215.72	S- 3F-2B (1-3) Q7
2706	<b>21239.64(6)</b>	16.8(8)	21239.64	<b>T- 4c-2a (5-5) Q3</b>	2735	21214.50(6)	11.7(6)	21214.52	
2707	21238.83(5)	41.6(5)	21238.83		2736	21213.71(5)	17.4(6)	21213.73	
2708	21238.08(6)	10.1(5)			2737	21212.60(6)	13.9(6)	21212.57	
2709	21237.25(6)	9.6(5)			2738	21211.72(6)	10.0(6)		
2710	21236.42(9)	4.4(5)			2739	21210.75(4)	66.2(6)	21210.71	
2711	21235.59(9)	4.6(5)		S 3A-2B (2-5) P2	2740	21209.65(6)	15.4(7)	21209.64	
2712	21234.81(5)	42.1(5)	21234.76	S 3A-2B (2-5) P3	2741	21208.92(5)	24.0(7)	21208.96	
2713	21234.12(4)	104.9(6)	21234.07	S 3A-2B (2-5) P5	2742	21208.20(5)	31.5(7)	21208.32	
				S 3A-2B (2-5) P4	2743	21207.36(5)	17.2(6)	21207.39	
2714	21233.32(8)	6.8(6)			2744	21205.87(5)	27.7(10)	21205.80	
2715	21232.62(6)	29.1(12)	21232.54		2745	21205.29(5)	49.3(10)	21205.32	S- 3E-2B (4-7) Q6
2716	21232.17(7)	14.9(13)		S+ 3F-2B (0-1) R2	2746	21203.84(8)	6.1(6)		
2717	21231.42(8)	5.5(5)			2747	21203.05(7)	8.9(6)		
2718	21230.36(4)	327.0(10)	21230.34		2748	<b>21202.09(5)</b>	18.9(6)	21202.07	<b>T+ 4c-2a (5-5) P2</b>
2719	21229.70(5)	44.9(8)		S- 3F-2B (0-1) Q4	2749	21200.92(5)	74(4)		
2720	21229.03(8)	9.8(7)			2750	21200.57(9)	21(4)		
2721	21228.37(8)	8.7(7)			2751	21199.71(4)	113.9(7)	21199.68	S+ WY-2B (0-0) P2

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2752	21198.86(4)	52.3(6)	21198.91	S+ 3F-2B (0-1) P6	2782	21174.30(8)	4.3(5)		
2753	21197.86(10)	4.2(6)			2783	21173.23(5)	41(2)	21173.20	S- 3F-2B (0-1) Q3
2754	21197.15(11)	2.7(5)			2784	21172.84(9)	15.4(19)		
2755	21196.18(6)	7.5(5)			2785	21172.27(4)	230.8(11)	21172.25	
2756	21195.20(6)	11.3(5)			2786	21171.29(6)	12.9(7)		
2757	21194.39(7)	14.8(13)			2787	21170.68(6)	10.3(7)		
2758	21193.93(6)	23.8(11)	21193.94		2788	21169.67(4)	291.7(7)	21169.62	S- 3E-2B (2-4) Q7
2759	21193.32(7)	9.9(7)			2789	<b>21168.83(4)</b>	116.7(6)	21168.82	T+ 4c-2a (5-5) P3
2760	21192.61(7)	8.3(6)			2790	21167.98(6)	14.0(8)		S+ 3F-2B (0-1) R1
2761	21191.87(7)	7.0(6)			2791	21167.39(7)	15.5(8)	21167.38	S+ EF-2B (29-2) R0
2762	21191.13(7)	7.1(6)			2792	21166.78(6)	28.6(16)	21166.78	S- 4E-2C (3-1) Q2
2763	21190.11(4)	32.8(5)	21190.12		2793	21166.30(6)	36.4(14)	21166.27	S+ EF-2B (29-2) R1
2764	21188.58(4)	121.5(5)	21188.60		2794	21165.84(12)	7.6(18)		
2765	21187.55(5)	13.3(5)			2795	21165.09(5)	34.3(8)	21165.07	
2766	21186.61(4)	474.0(9)	21186.62	S- 3E-2B (0-1) Q11	2796	21164.46(7)	24.9(19)		
2767	21185.94(5)	35.4(7)		S- 4E-2C (3-1) Q1	2797	21164.06(7)	16(2)		
2768	21185.32(10)	6.1(7)			2798	21163.23(4)	118.5(6)	21163.20	S- 3E-2B (4-7) Q5
2769	21184.74(4)	74.0(7)	21184.76		2799	21162.14(6)	7.8(5)		
2770	21184.06(7)	6.7(6)		S+ GK-2B (8-6) P1	2800	21161.39(6)	11.2(8)		
2771	21182.86(5)	11.6(5)			2801	21160.83(5)	19.4(8)	21160.83	
2772	21181.91(7)	7.9(6)			2802	21160.09(6)	8.6(5)		
2773	21181.28(7)	9.8(6)			2803	21159.30(6)	10.4(7)		
2774	21180.66(6)	12.0(6)			2804	21158.71(8)	7.8(7)		
2775	21179.71(6)	9.4(6)			2805	21157.98(8)	4.9(5)		
2776	21179.03(7)	6.3(6)			2806	21157.15(5)	13.7(5)		
2777	21177.80(9)	3.7(5)			2807	21156.41(4)	25.2(7)	21156.40	S+ EF-2B (29-2) R2
2778	21177.01(7)	7.9(7)			2808	21155.84(3)	82.6(8)	21155.90	S+ 3E-2B (2-4) R3
2779	21176.39(6)	21.2(9)			2809	21154.95(5)	17.4(6)	21154.94	S+ 3E-2B (0-1) R5
2780	21175.87(5)	30.4(9)			2810	21154.31(7)	6.5(6)		
2781	21175.26(7)	7.7(7)			2811	21153.45(6)	8.8(5)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2812	21152.76(7)	6.8(6)			2842	21130.94(3)	50.0(6)		
2813	21152.04(4)	27.6(5)	21152.05		2843	21130.23(5)	11.1(6)		
2814	21150.71(4)	25.8(5)	21150.71		2844	<b>21129.42(4)</b>	34.3(6)		S- 3F-2B (0-1) Q2
2815	21150.00(5)	13.1(5)							<b>T+ 4c-2a (5-5) P4</b>
2816	21149.00(5)	18.9(10)			2845	21128.79(4)	54.2(8)		S+ WY-2B (0-0) P4
2817	21148.52(7)	8.9(10)			2846	21128.27(3)	78.9(9)		S- 3E-2B (4-7) Q4
2818	21147.25(5)	14.6(10)			2847	21127.55(4)	31.5(6)	21127.53	
2819	21146.73(6)	15.5(8)			2848	21126.28(6)	13.5(12)		
2820	21146.09(3)	78.6(7)	21146.11		2849	21125.81(5)	24.8(10)		S+ 3E-2B (4-7) R1
2821	21145.02(5)	9.4(5)			2850	21125.32(7)	9.5(11)		
2822	21144.15(4)	35.7(5)	21144.17		2851	21124.61(5)	15.1(6)		
2823	21143.64(10)	8.8(10)			2852	21123.98(3)	66.8(6)	21123.96	
2824	21143.13(8)	10.1(10)			2853	21123.34(5)	12.9(6)		
2825	21142.52(4)	83.8(9)	21142.53	S+ 3F-2B (0-1) P5	2854	21122.69(10)	4.0(6)		
2826	21141.97(6)	19.2(12)			2855	21122.08(10)	3.9(6)		
2827	21141.48(11)	9.5(11)			2856	21121.29(4)	31.1(6)	21121.27	
2828	21140.94(7)	26(3)		S+ GK-2B (8-6) P3	2857	21120.50(6)	7.1(5)		
2829	21140.58(7)	17(3)		S+ EF-2B (29-2) P1	2858	21119.61(3)	185.1(6)	21119.61	S- 3E-2B (2-4) Q6
2830	21139.85(7)	5.7(6)			2859	21118.83(3)	114.1(8)	21118.79	S+ EF-2B (29-2) R4
2831	21138.77(3)	88.0(10)	21138.78	S+ EF-2B (29-2) R3	2860	21118.06(5)	12.3(6)		
2832	21138.30(6)	16.4(9)			2861	21117.29(6)	8.6(7)		
2833	21137.60(3)	564.8(9)	21137.64		2862	21116.72(11)	3.5(7)		
2834	21136.76(4)	16.5(6)			2863	21115.91(4)	28.1(7)		S+ GK-2B (8-6) P4
2835	21136.09(8)	7.6(8)							S 3A-2B (3-7) R2
2836	21135.52(10)	8.4(13)			2864	21114.79(4)	27.1(8)		S+ 3E-2B (0-1) P10
2837	21135.05(6)	27.9(12)			2865	21114.04(6)	12.7(8)		
2838	21134.54(16)	4.9(10)			2866	21113.35(7)	10.3(9)		
2839	21134.03(13)	4.4(11)			2867	21112.75(5)	15.0(10)		S+ GK-2B (0-0) R1
2840	21133.34(6)	10.2(6)			2868	21111.28(4)	35.7(9)		
2841	21132.72(6)	7.0(6)			2869	21110.60(3)	303.4(10)	21110.58	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2870	21109.94(4)	60.2(9)	21109.98		2899	21089.86(4)	33.7(5)	21089.86	
2871	21108.61(3)	63.7(7)	21108.56		2900	21088.81(7)	8.0(7)		
2872	21107.68(8)	6.9(8)			2901	<b>21088.25(5)</b>	23.6(7)		<b>T+ 4c-2a (5-5) P5</b>
2873	21107.02(5)	15.7(8)	21107.09		2902	21087.49(7)	8.7(6)		
2874	21106.13(8)	5.4(7)			2903	21086.85(7)	10.5(7)		
2875	21105.42(8)	6.6(6)			2904	21086.27(6)	18.4(7)	21086.24	S+ GK-2B (0-0) R3
2876	21104.73(6)	12.6(6)		S+ GK-2B (0-0) R2	2905	21085.63(8)	7.4(6)		
2877	21104.01(7)	15.4(18)			2906	21084.88(8)	6.6(6)		
2878	21103.62(5)	64.0(19)	21103.61		2907	21084.19(4)	76.2(6)	21084.16	S 3A-2B (3-7) R1
2879	21102.71(5)	42.3(9)	21102.66	S+ 3E-2B (2-4) R2	2908	21083.17(5)	17.8(7)	21083.13	
2880	21102.17(4)	292.5(10)	21102.15	S- 3E-2B (0-1) Q10	2909	21082.53(5)	17.4(7)	21082.57	
2881	21101.61(7)	15.3(9)			2910	21081.13(9)	4.1(6)		
2882	21100.97(4)	265.1(10)	21101.00		2911	21080.41(5)	17.3(6)		S+ GK-2B (0-0) P1
2883	21100.38(4)	147.8(18)	21100.40	S+ 3F-2B (0-1) P4	2912	21079.48(4)	64.5(7)	21079.55	S- 3E-2B (4-7) Q2
				S- 3E-2B (4-7) Q3	2913	21078.87(6)	15.7(7)		
2884	21099.97(6)	29(2)	21100.01		2914	21077.99(4)	135.4(6)	21078.06	
2885	21099.28(8)	9.1(7)			2915	21077.30(4)	389.6(8)	21077.34	S- 3E-2B (2-4) Q5
2886	21098.70(8)	9.5(7)			2916	21076.51(6)	13.0(7)		
2887	21098.07(4)	160.5(11)	21098.09		2917	21075.83(5)	19.4(6)	21075.87	
2888	21097.56(6)	33.5(11)	21097.64		2918	21074.94(5)	21.6(6)	21074.87	S+ EF-2B (29-2) P3
2889	21097.07(7)	14.7(12)		S+ 3E-2B (4-7) R0	2919	21073.38(5)	13.6(6)	21073.38	S+ 3F-2B (0-1) P3
2890	21096.34(5)	49(2)	21096.30		2920	21072.57(4)	42.1(6)	21072.60	
2891	21095.97(9)	12(2)			2921	21071.83(4)	63.4(10)	21071.80	
2892	21095.03(4)	355.3(8)	21095.06	S+ GK-2B (3-2) R5	2922	21071.34(8)	8.9(10)		
2893	21094.37(5)	32.8(7)			2923	21070.57(5)	30.8(6)	21070.50	
2894	21093.71(5)	41.0(6)	21093.71	S- 5E-2B (0-10) Q1	2924	21069.42(4)	82.8(6)	21069.41	
2895	21093.07(6)	16.0(6)			2925	21067.97(6)	8.4(6)		
2896	21092.43(7)	11.2(7)			2926	21067.16(7)	8.6(8)		
2897	21091.88(7)	11.9(8)			2927	21066.61(5)	41.2(8)	21066.61	
2898	21091.14(5)	13.1(5)			2928	21065.66(4)	79.4(6)	21065.64	S- 3E-2B (4-7) Q1

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
2929	21064.77(4)	38.6(6)	21064.75		2957	21039.13(12)	5.6(13)		
2930	21063.94(4)	82.3(13)	21063.92	S+ 3E-2B (0-1) R4	2958	21037.99(7)	13.9(13)		S 3A-2B (3-7) P1
2931	21063.40(6)	72(6)	21063.39	S+ GK-2B (3-2) R4	2959	21036.47(5)	51.4(16)	21036.44	
2932	21063.10(5)	108(7)	21063.13		2960	21035.80(5)	134(6)	21035.74	S+ GK-2B (3-2) R2
2933	21062.48(5)	21.6(9)	21062.52		2961	21035.38(4)	510(6)	21035.37	S+ 3E-2B (0-1) P9
2934	<b>21061.59(7)</b>	7.4(6)		<b>T- 4c-2a (6-6) Q1</b>	2962	21034.29(7)	13.7(13)		
2935	21059.83(5)	31.8(13)	21059.86	S 3A-2B (3-7) R0	2963	21033.36(8)	11.1(13)		
				S+ WW-2B (0-0) R4	2964	21030.81(11)	3.4(7)		
2936	21059.36(7)	15.2(13)			2965	<b>21029.68(4)</b>	177.7(8)	21029.67	<b>T- 4c-2a (6-6) Q4</b>
2937	21058.23(6)	14.2(7)			2966	21029.04(4)	304.4(8)	21029.04	S+ GK-2B (3-2) R1
2938	21057.17(4)	126.9(7)	21057.18						S+ EF-2B (29-2) P4
2939	21055.97(4)	39.4(7)	21055.90		2967	21028.26(4)	68.2(8)	21028.33	
2940	21055.10(8)	7.6(7)			2968	21027.59(4)	34.8(8)		
2941	<b>21054.36(6)</b>	16.0(7)		<b>T- 4c-2a (6-6) Q2</b>	2969	21026.61(4)	700.2(9)	21026.63	S- 3E-2B (0-1) Q9
2942	21053.64(7)	9.6(7)			2970	21025.81(5)	15.9(8)		
2943	21052.50(5)	47(2)	21052.41	S- 3F-2B (1-3) Q5	2971	21024.30(4)	156.1(7)	21024.30	
2944	21052.05(4)	116(2)	21052.06	S+ 3E-2B (2-4) R1	2972	21022.90(6)	53(8)		S- 4E-2B (0-7) Q5
				S+ GK-2B (0-0) P2					S 3A-2B (3-7) P5
2945	21051.12(5)	36.0(10)	21051.11		2973	21022.65(5)	85(8)		
2946	21049.64(6)	23.5(13)		S+ 3E-2B (4-7) P2	2974	21021.51(6)	14.3(10)		
2947	21048.53(5)	45.3(13)	21048.63		2975	21020.98(4)	83.4(10)	21020.99	S+ GK-2B (3-2) R0
2948	21046.30(5)	51.9(18)		S+ 3E-2B (4-7) P3	2976	21020.27(4)	71.2(8)	21020.24	
2949	21045.73(6)	25.7(18)			2977	21019.56(4)	116(3)	21019.56	
2950	21044.76(5)	34.1(14)			2978	21019.20(5)	54(3)		
2951	21043.93(4)	410(9)	21043.96	S+ GK-2B (3-2) R3	2979	21017.77(9)	6.0(8)		
2952	21043.61(4)	297(9)	21043.64		2980	21017.11(8)	9.3(9)		
2953	21042.57(4)	200.6(14)	21042.58	S- 3E-2B (2-4) Q4	2981	21016.54(6)	21.4(9)		
2954	21041.61(6)	29.1(15)	21041.65		2982	21015.88(5)	37.2(9)		
2955	21040.95(10)	10.5(15)			2983	21015.23(4)	390.0(11)	21015.22	S- 3E-2B (2-4) Q3
2956	21040.16(6)	19.7(13)			2984	21014.63(8)	16.9(15)		S+ GK-2B (0-0) P3

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
2985	21014.19(4)	69.4(18)	21014.17		3015	20986.94(5)	36.4(7)	20986.97	
2986	21013.42(6)	14.5(8)			3016	20986.22(6)	20.7(7)		
2987	21012.40(5)	16.7(7)			3017	20985.55(6)	18.0(8)		
2988	21011.40(8)	5.7(7)			3018	20984.94(6)	13.7(8)		
2989	21010.53(6)	11.2(7)			3019	20983.62(5)	60.2(11)	20983.62	
2990	21009.15(4)	79.0(8)	21009.10		3020	20983.06(6)	40.9(18)	20983.08	S+ GK-2B (4-3) R1
2991	21008.39(4)	41.4(8)		S+ 3E-2B (2-4) R0	3021	20982.64(5)	126(2)	20982.65	S+ 3E-2B (2-4) P4
2992	21007.66(5)	24.4(8)	21007.68		3022	20981.65(4)	222.1(7)	20981.65	S- 3E-2B (2-4) Q1
2993	21006.80(7)	7.3(7)			3023	20980.21(8)	7.3(9)		
2994	21005.98(5)	31.2(8)	21005.99		3024	20978.98(5)	48.6(9)	20979.00	S+ 3E-2B (0-1) R3
2995	21005.31(7)	17.6(11)		S 3A-2B (3-7) P4	3025	20978.05(5)	23.0(9)		
2996	21004.80(7)	13.2(12)		S 3A-2B (3-7) P3	3026	20977.20(6)	19.4(9)		
2997	21003.96(5)	19.5(7)	21003.94		3027	20976.37(6)	16.4(9)		
2998	21002.48(4)	254.9(8)	21002.47	S+ 3E-2B (2-4) P5	3028	20975.51(4)	308.4(10)	20975.51	S+ 3E-2B (0-1) P8
2999	20999.49(5)	45.4(16)	20999.45	S+ GK-2B (4-3) R2	3029	20974.61(6)	14.5(9)	20974.62	
3000	20999.06(4)	102.3(16)	20999.04		3030	20973.82(6)	15.9(9)		
3001	20997.71(5)	26.2(7)	20997.71		3031	20972.98(7)	10.7(9)		
3002	20996.90(7)	19.2(13)			3032	20971.64(8)	8.9(9)	20971.69	
3003	20996.41(6)	22.5(12)			3033	20970.82(5)	32.1(10)	20970.74	S+ GK-2B (9-7) R2
3004	20995.71(6)	14.8(7)			3034	20970.15(4)	283.6(11)	20970.13	
3005	20994.95(4)	151.4(7)	20994.98	S- 3E-2B (2-4) Q2	3035	20969.28(5)	70.6(12)	20969.32	S+ GK-2B (9-7) R3
3006	20994.04(7)	8.5(7)			3036	20968.71(5)	60.0(12)	20968.67	S+ GK-2B (9-7) R1
3007	20993.33(6)	19.4(7)	20993.28		3037	20968.11(7)	16.3(11)	20968.11	S+ GK-2B (0-0) P4
3008	20992.66(6)	20.4(7)	20992.61		3038	20966.47(5)	67(2)		
3009	20991.89(6)	16.4(7)	20991.85		3039	20966.02(4)	321(2)	20966.00	S+ 3E-2B (2-4) P3
3010	20991.27(9)	6.3(7)							S+ GK-2B (3-2) P2
3011	20990.33(4)	102.3(6)	20990.37	S+ GK-2B (3-2) P1	3040	20964.80(5)	57.0(9)	20964.81	
3012	20989.49(6)	14.6(6)			3041	20963.93(6)	18.4(9)		
3013	20988.37(7)	11.3(8)			3042	20962.92(5)	35.3(9)	20962.91	
3014	20987.79(7)	11.2(8)			3043	20961.08(6)	13.4(9)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3044	20960.06(4)	422(2)	20960.06	S- 3E-2B (0-1) Q8	3074	20933.12(4)	35.4(13)	20933.12	S+ GK-2B (9-7) P1
3045	20959.58(6)	27.3(19)	20959.73		3075	20932.54(5)	16.3(8)		
3046	20956.63(5)	44.3(6)	20956.61	S+ 3E-2B (2-4) P2	3076	20931.86(5)	25(3)		
3047	20955.34(9)	5.2(7)			3077	20931.51(7)	12(3)		
3048	20954.70(7)	18.3(10)			3078	20930.61(6)	6.5(6)		
3049	20954.20(10)	6.0(11)			3079	20930.02(4)	12.0(6)		
3050	20953.20(9)	3.7(6)			3080	20928.61(4)	15.7(9)		
3051	20951.43(9)	3.9(6)			3081	20927.92(5)	13.7(10)		
3052	20950.46(6)	17.4(8)			3082	20927.29(6)	12.6(10)		
3053	20949.94(9)	6.3(8)			3083	20926.69(3)	64.5(10)	20926.68	
3054	20948.94(5)	13.8(6)	20948.96		3084	20925.81(5)	12.7(9)		
3055	20947.70(8)	5.4(6)			3085	20925.16(3)	126.0(10)	20925.17	
3056	20946.48(6)	16.0(7)			3086	20924.53(5)	15.5(9)		
3057	20945.92(5)	30.8(7)	20945.83		3087	20923.83(3)	36.8(9)	20923.83	
3058	20945.03(4)	149.3(7)	20944.99		3088	20922.44(5)	10.5(8)		
3059	20944.45(4)	177.4(7)	20944.45		3089	20921.49(8)	7.5(11)		
3060	20943.60(6)	10.5(6)			3090	20920.95(3)	67.3(11)		
3061	20942.91(5)	20.6(6)			3091	20920.15(3)	40.4(10)	20920.19	
3062	20941.91(8)	6.1(6)			3092	20919.54(4)	16.9(10)		
3063	20941.16(5)	26.1(6)	20941.13		3093	20918.77(4)	18.0(9)		
3064	20940.15(4)	60.8(5)	20940.14		3094	20917.72(5)	12.4(8)		
3065	20939.39(5)	13.9(10)			3095	20916.88(3)	24.2(8)		
3066	20938.83(9)	20(5)			3096	20915.79(2)	761.2(11)	20915.80	S+ 3E-2B (0-1) P7
3067	20938.53(7)	19(6)							S+ GK-2B (4-3) P2
3068	20937.61(2)	159.9(6)	20937.62	S+ GK-2B (3-2) P3	3097	20915.08(5)	13.7(9)		
3069	20936.62(4)	16.3(6)			3098	20914.39(7)	7.3(9)		
3070	20936.01(7)	8.0(7)			3099	20913.71(4)	23.6(10)		S+ GK-2B (9-7) P2
3071	20935.48(3)	38.6(8)		S+ GK-2B (4-3) P1	3100	20913.10(5)	24.5(15)		
3072	20934.50(3)	64.1(5)	20934.52		3101	20912.59(7)	19.4(15)		
3073	20933.54(5)	18.7(17)		S- 3F-2B (1-3) Q3	3102	20912.05(9)	18(3)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3103	20911.67(4)	48(4)		S+ GK-2B (0-0) P5	3133	20888.32(7)	14.8(7)		
3104	20910.94(3)	122.2(9)	20910.92		3134	20887.57(7)	14.7(7)		
3105	20910.17(5)	14.1(10)			3135	20886.77(7)	11.7(6)		
3106	20909.55(5)	20.8(14)			3136	20885.76(6)	42.9(6)	20885.74	
3107	20909.07(3)	74.8(15)	20909.08		3137	20884.94(9)	7.4(7)		
3108	20908.34(3)	96.9(9)	20908.32	S+ GK-2B (3-2) P4	3138	20884.17(6)	44.6(7)	20884.12	
3109	20907.63(5)	13.3(9)			3139	20883.22(7)	14.8(7)		
3110	20906.88(3)	35.3(9)			3140	20882.60(8)	16.1(7)		
3111	20906.02(4)	20.8(8)			3141	20881.91(7)	14.6(7)		
3112	20905.18(2)	251.4(11)	20905.17		3142	20881.03(6)	118.3(14)	20881.07	S+ GK-2B (3-2) P5
3113	20904.59(4)	26.2(10)			3143	20880.58(7)	41.5(14)	20880.63	
3114	20903.83(4)	24.7(11)			3144	20879.23(9)	7.1(6)		
3115	20903.22(4)	22.2(11)			3145	20878.43(6)	106.5(8)	20878.42	
3116	20902.48(2)	885.1(14)	20902.48	S- 3E-2B (0-1) Q7	3146	20877.84(7)	19.1(8)	20877.91	
3117	20901.58(5)	13.0(10)			3147	20876.74(8)	10.1(6)		
3118	20900.76(4)	22.0(9)			3148	20875.87(6)	62.6(6)	20875.90	S+ GK-2B (4-3) P4
3119	20899.71(3)	41.2(9)	20899.69	S+ 3E-2B (0-1) R2	3149	20875.00(7)	13.8(6)		
3120	20898.82(4)	14.3(9)			3150	20874.33(8)	10.0(6)		
3121	20897.77(6)	8.9(9)			3151	20873.62(6)	43.3(7)	20873.65	
3122	20896.08(4)	18.2(10)			3152	20873.03(7)	34.1(10)	20873.09	
3123	20895.30(4)	15.8(10)			3153	20872.55(6)	90.4(11)	20872.60	
3124	20894.49(3)	100.0(10)	20894.47	S+ GK-2B (4-3) P3	3154	20871.85(6)	61.4(8)	20871.79	
3125	20893.76(3)	81.3(10)	20893.76		3155	20871.31(7)	27.4(8)	20871.23	S+ GK-2B (5-4) R4
3126	20893.02(3)	105.5(13)	20893.00		3156	20870.59(6)	97.3(6)	20870.62	
3127	20892.50(5)	21.3(13)		S- 3F-2B (1-3) Q2	3157	20869.71(10)	5.5(6)		
3128	20891.70(8)	104(76)		S+ GK-2B (1-1) R11	3158	20869.04(9)	6.5(6)		
3129	20891.55(3)	612(76)	20891.58	S+ GK-2B (1-1) R11	3159	20868.20(9)	10.2(9)		
3130	20890.86(4)	25.0(12)			3160	20867.69(8)	12.1(8)		
3131	20890.16(5)	15.0(10)			3161	20867.00(7)	14.6(6)		
3132	20889.41(3)	54.4(10)	20889.43	S+ GK-2B (9-7) P3	3162	20866.11(6)	45.5(6)	20866.15	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3163	20864.95(10)	4.4(6)			3193	20840.37(8)	11.2(9)		
3164	20863.47(6)	87.9(6)	20863.46	S+ GK-2B (3-2) P7	3194	20838.99(9)	9.9(8)		
3165	20862.80(8)	9.9(7)			3195	20837.97(8)	10.2(8)		
3166	20862.19(9)	9.1(7)			3196	20836.21(5)	42.9(8)	20836.17	
3167	20861.54(9)	13.8(11)			3197	20834.44(8)	8.5(9)		
3168	20861.04(6)	181.0(10)	20861.02		3198	20833.75(7)	10.5(9)		
3169	20860.53(9)	9.1(10)			3199	20832.86(6)	25(2)		
3170	20859.75(6)	372.7(8)	20859.75	S+ 3E-2B (0-1) P6	3200	20832.45(6)	28(2)		
3171	20858.86(10)	6.4(9)			3201	20831.46(5)	17.7(9)		
3172	20858.36(8)	14.7(9)	20858.31	S 4D-2B (0-7) R3	3202	20830.63(6)	11.5(9)		
3173	20857.41(9)	6.0(6)			3203	20829.42(6)	14.0(10)		
3174	20856.52(8)	9.7(6)			3204	20828.79(7)	13.9(10)		
3175	20855.74(7)	10.4(6)			3205	20828.05(4)	132.7(9)	20828.04	S+ 3E-2B (0-1) R1
3176	20854.72(8)	9.3(7)			3206	<b>20826.63(4)</b>	64.1(9)	20826.63	T+ 4d-2c (0-1) R1
3177	20853.98(7)	136(23)		S- 3E-2B (0-1) Q6	3207	20825.79(5)	18.4(9)		
3178	20853.80(6)	536(23)	20853.81	S- 3E-2B (0-1) Q6	3208	20822.99(8)	16(2)		
3179	20853.02(7)	14.5(6)			3209	20822.59(7)	22(2)		
3180	20852.12(8)	9.0(6)			3210	20820.74(4)	187.7(9)	20820.76	S+ GK-2B (5-4) R3
3181	20851.30(7)	27.2(10)			3211	20820.13(6)	19.6(9)		
3182	20850.81(8)	19.8(9)			3212	20819.51(4)	379.7(9)	20819.52	S- 3E-2B (3-6) Q7
3183	20850.22(7)	17.4(7)			3213	20818.80(5)	24.4(9)		
3184	20849.62(7)	14.2(7)			3214	20818.16(6)	18.5(9)		
3185	20848.26(11)	6.0(8)			3215	20817.51(4)	447.2(9)	20817.52	S+ GK-2B (1-1) R10
3186	20847.07(6)	179.4(9)	20847.05		3216	20816.78(6)	12.6(8)		
3187	20846.07(6)	83.2(8)			3217	20815.92(6)	13.1(8)		
3188	20845.09(6)	98.0(8)	20845.02		3218	20814.55(6)	11.2(8)		
3189	20844.19(6)	112.1(8)	20844.15		3219	20813.70(4)	996.7(10)	20813.72	S- 3E-2B (5-9) Q7
3190	20842.32(7)	22.4(9)	20842.42						S- 3E-2B (0-1) Q5
3191	20841.49(8)	124(29)	20841.48		3220	20812.96(6)	13.4(9)		
3192	20841.29(7)	267(29)	20841.22		3221	20812.32(5)	18.0(9)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3222	20811.47(6)	14.5(8)			3251	20783.68(3)	25.7(4)		
3223	20810.66(4)	805.7(9)	20810.69	S+ 3E-2B (0-1) P5	3252	20782.86(5)	5.4(4)		
				S- 3F-2B (2-5) Q5	3253	20781.98(2)	279.8(6)	20781.95	S- 3E-2B (0-1) Q4
3224	20809.88(6)	14.9(8)			3254	20781.29(3)	30.3(5)		
3225	20808.45(8)	6.7(8)			3255	20779.81(6)	4.9(5)		
3226	20807.50(8)	9.2(11)			3256	20779.20(5)	6.9(5)		
3227	20806.98(4)	52.9(11)	20807.01		3257	20778.02(5)	7.2(5)		
3228	20806.00(5)	21.9(9)	20806.02		3258	20777.35(5)	9.0(5)		
3229	20805.43(4)	120.7(9)	20805.44	S+ GK-2B (5-4) R2	3259	20776.73(6)	4.9(5)		
3230	20804.74(5)	18.6(8)			3260	20775.92(3)	25.3(4)	20775.93	
3231	20803.35(4)	35.9(8)	20803.35		3261	20775.18(5)	5.1(4)		
3232	20802.67(4)	95.3(8)	20802.67		3262	20773.61(4)	8.5(5)		
3233	20801.91(6)	11.2(8)			3263	<b>20772.98(3)</b>	16.7(5)		<b>T+ 4d-2c (0-1) R3</b>
3234	20800.51(5)	17.6(8)			3264	20772.01(6)	3.7(4)		
3235	20799.50(4)	168.2(8)	20799.48	S+ GK-2B (5-4) R1	3265	20770.88(10)	4.8(14)		
3236	20798.14(4)	55.1(12)	20798.11		3266	20770.50(11)	4.1(14)		
3237	20797.65(6)	14.9(12)			3267	20769.71(3)	39.3(8)	20769.74	
3238	20796.81(4)	286.7(7)	20796.82		3268	20768.93(5)	10.7(8)		
3239	20795.95(5)	14.1(6)			3269	20768.11(3)	155(15)		
3240	20795.24(7)	6.2(6)			3270	<b>20767.89(3)</b>	196(15)		<b>T+ 4d-2c (0-1) Q2</b>
3241	20794.28(4)	109.6(6)	20794.29		3271	20767.16(3)	32.4(8)	20767.16	
3242	20793.64(4)	51.0(6)	20793.59	S+ GK-2B (5-4) R0	3272	20766.25(3)	35.6(8)	20766.24	S+ GK-2B (5-4) P1
3243	20791.92(11)	2.8(6)			3273	20765.53(4)	12.1(8)		
3244	20791.15(8)	5.2(6)			3274	20764.27(2)	84.4(8)	20764.28	
3245	20790.21(6)	13.1(8)			3275	20763.04(3)	27.7(8)	20763.06	S- 3E-2B (5-9) Q6
3246	20789.66(4)	152.4(8)	20789.64		3276	20761.59(3)	29.9(11)	20761.58	
3247	20788.89(5)	24.5(6)	20788.86		3277	20761.09(4)	19.6(11)		
3248	20788.00(5)	17.5(7)	20787.97		3278	20759.31(4)	21.4(13)		
3249	20787.42(6)	10.8(7)	20787.35		3279	20758.85(5)	14.2(13)		
3250	20784.39(3)	20.2(4)			3280	20757.85(2)	532.6(9)	20757.86	S- 3E-2B (0-1) Q3

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3281	20757.03(5)	9.3(8)			3311	20726.26(7)	3.1(5)		
3282	<b>20755.31(4)</b>	14.1(8)		T+ 4d-2c (1-2) R1	3312	20724.97(4)	11.1(7)		
3283	20753.84(4)	11.1(8)	20753.84		3313	20724.43(2)	188.5(7)	20724.45	S- 3E-2B (3-6) Q5
3284	20751.71(3)	61.4(8)	20751.74		3314	20723.60(4)	10.2(5)		
3285	20750.52(2)	616.1(9)	20750.49	S+ GK-2B (1-1) R9	3315	20722.16(3)	19.9(6)	20722.15	
3286	20749.60(4)	13.7(8)			3316	20721.25(5)	13.6(11)		
3287	20748.41(2)	68.0(8)	20748.41		3317	20720.76(4)	31.4(10)	20720.73	S+ GK-2B (6-5) R2
3288	20746.76(5)	9.9(8)			3318	20719.97(3)	40.9(6)		S- 3E-2B (5-9) Q5
3289	20745.48(3)	34.6(5)	20745.48		3319	20718.55(5)	10.9(9)		S+ WZ-2B (0-6) R2
3290	20744.24(4)	8.0(5)			3320	20717.98(4)	27.3(9)	20717.97	
3291	20743.26(5)	6.8(5)			3321	20717.46(4)	15.3(6)		
3292	20742.41(2)	243.9(8)	20742.42	S- 3E-2B (1-3) Q9	3322	20716.17(5)	5.8(4)		
3293	20741.90(3)	45.3(7)	20741.84	S+ GK-2B (5-4) P2	3323	20715.48(4)	11.3(5)		
3294	20740.85(2)	211.8(5)	20740.83	S- 3E-2B (0-1) Q2	3324	<b>20714.86(3)</b>	24.7(5)	20714.88	T+ 4d-2c (0-1) R5
3295	20739.93(4)	9.5(5)			3325	20713.98(3)	33.7(4)	20713.96	
3296	20738.99(5)	6.9(5)			3326	20713.33(2)	122.2(5)		
3297	20738.22(4)	10.0(6)			3327	20712.49(6)	4.5(4)		
3298	20737.58(4)	16.3(8)	20737.60	S+ GK-2B (6-5) R4	3328	20711.72(3)	30.1(4)	20711.77	S+ GK-2B (6-5) R1
3299	20737.11(3)	33.8(9)	20737.14		3329	20710.90(3)	88.0(4)	20710.93	S+ 3E-2B (0-1) P2
3300	20736.28(4)	10.9(5)			3330	20710.17(6)	6.5(6)		
3301	20735.16(5)	6.1(5)			3331	20709.63(4)	17.6(6)	20709.62	
3302	20734.42(6)	5.4(5)			3332	20709.10(3)	25.7(6)	20709.10	
3303	20733.55(2)	314.8(6)	20733.54	S+ 3E-2B (0-1) P3	3333	20708.20(4)	18.6(6)	20708.23	
3304	20732.58(3)	15.2(5)	20732.56		3334	20707.68(4)	20.4(6)	20707.66	
3305	20731.35(4)	12.1(5)			3335	20707.02(6)	4.5(5)		
3306	20730.64(3)	40.1(8)		S+ GK-2B (6-5) R3	3336	20705.68(4)	10.9(4)		
3307	20730.12(2)	285.1(9)	20730.11	S- 3E-2B (0-1) Q1	3337	<b>20704.57(4)</b>	7.0(4)		T+ 4d-2c (1-2) R3
3308	20729.53(4)	15.5(7)			3338	20703.83(4)	8.7(4)		
3309	20728.88(5)	7.1(5)			3339	20702.93(5)	5.4(4)		
3310	20728.05(4)	7.9(5)			3340	20701.95(6)	4.4(4)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3341	20701.18(3)	55.2(4)	20701.15		3371	20675.01(5)	7.6(4)		
3342	20700.48(4)	12.0(4)			3372	20673.80(3)	141.4(6)	20673.82	S- 3E-2B (1-3) Q8
3343	20699.12(4)	11.7(4)			3373	20673.12(5)	13.4(5)		
3344	20698.34(3)	13.3(4)		S+ GK-2B (6-5) R0	3374	20672.39(7)	4.5(5)		
3345	20697.27(3)	63.0(4)	20697.25		3375	20671.29(4)	54.5(5)	20671.31	S+ GK-2B (2-2) R1
3346	20696.57(9)	3.5(6)			3376	20670.56(6)	11.9(7)		
3347	20696.06(7)	5.1(6)			3377	20670.03(12)	3.2(7)		
3348	20695.03(3)	28.5(6)		S+ 3E-2B (3-6) R1	3378	20669.22(4)	24.8(5)	20669.24	S+ 3F-2B (2-5) P5
3349	20694.27(5)	7.3(6)	20694.30	S+ 3F-2B (2-5) R1	3379	20668.50(4)	26.0(5)	20668.57	
3350	20693.49(8)	5.0(8)			3380	20667.34(5)	18.0(9)		S+ GK-2B (5-4) P5
3351	20692.96(8)	7.0(8)			3381	20666.89(4)	30.8(9)	20666.84	S+ GK-2B (6-5) P1
3352	20692.41(6)	8.2(8)			3382	20665.98(4)	26.3(4)	20666.01	
3353	20691.53(2)	383.3(7)	20691.52	S+ GK-2B (1-1) R8	3383	20664.90(6)	15.5(10)		
3354	20690.30(4)	15.9(6)			3384	20664.43(4)	59.4(10)		
3355	20689.44(3)	71.1(16)	20689.42		3385	20663.01(4)	29.7(7)		
3356	20689.06(4)	32.5(16)			3386	20661.98(4)	22.0(7)		
3357	20688.22(3)	103.3(6)	20688.19	S- 3E-2B (3-6) Q4	3387	20660.91(4)	19.0(7)	20660.89	S+ GK-2B (2-2) R0
3358	20687.61(6)	6.8(6)			3388	20659.99(6)	10.3(8)		
3359	20686.61(4)	12.1(5)			3389	20659.41(3)	194.8(8)	20659.42	S- 3E-2B (3-6) Q3
3360	20685.48(3)	20.7(5)		S+ GK-2B (5-4) P4	3390	20658.34(5)	14.5(7)		
3361	20684.41(4)	21.4(12)		S- 3E-2B (5-9) Q4	3391	20657.62(7)	5.9(7)		
3362	20683.99(5)	14.4(12)			3392	20656.81(5)	11.9(7)		
3363	20682.49(3)	61.3(5)	20682.45		3393	<b>20655.94(4)</b>	42.0(12)	20655.94	<b>T+ 4d-2c (0-1) Q4</b>
3364	20681.03(7)	4.5(4)							S- 3E-2B (5-9) Q3
3365	20680.21(4)	33.8(4)	20680.21		3394	20655.49(5)	23.6(12)	20655.51	
3366	20679.01(4)	41.3(5)	20678.98	S+ GK-2B (2-2) R3	3395	20653.46(5)	15.6(7)	20653.47	S+ 3E-2B (3-6) R0
3367	20678.35(6)	8.6(5)			3396	20652.55(4)	25.0(7)	20652.55	
3368	20677.49(3)	168.1(6)	20677.50	S+ GK-2B (2-2) R2	3397	<b>20651.66(7)</b>	6.6(7)		<b>T+ 4d-2c (2-3) R2</b>
3369	20676.85(5)	13.1(5)			3398	20650.91(6)	8.3(7)		
3370	20675.99(4)	44.1(4)	20675.99		3399	<b>20649.29(6)</b>	16.2(14)		T+ 4d-2c (1-2) R5

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3400	20648.87(5)	23.9(13)			3429	20619.77(4)	14.4(12)		
3401	20648.16(4)	72.3(10)	20648.08	S+ GK-2B (6-5) P2	3430	20619.55(4)	34.8(13)	20619.54	
3402	20647.65(5)	20.3(10)	20647.71		3431	20619.11(5)	3.9(3)		
3403	20646.96(5)	20.5(7)	20646.92		3432	<b>20618.60(5)</b>	3.9(3)		<b>T+ 4d-2c (2-3) Q2</b>
3404	20645.61(6)	9.4(7)			3433	20618.16(5)	3.1(3)		
3405	20643.06(4)	35.1(7)	20643.05		3434	20617.69(4)	20.8(7)		
3406	20641.78(6)	13.9(12)			3435	20617.45(5)	6.6(7)		
3407	20640.84(3)	887.7(16)	20640.83	S+ GK-2B (1-1) R7	3436	20616.94(5)	2.9(3)		
3408	20640.07(6)	17.1(13)			3437	20616.31(5)	2.8(3)		
3409	20639.27(7)	10.6(12)			3438	20615.79(5)	2.9(3)		
3410	20637.95(4)	83.8(12)	20637.94	S- 3E-2B (3-6) Q2	3439	20615.35(4)	11.9(4)		
3411	20637.17(5)	27.7(12)	20637.15		3440	20615.01(4)	23.7(4)	20614.98	
3412	20635.63(6)	15.8(12)			3441	20614.71(4)	10.6(5)		
3413	20634.75(4)	35.7(12)	20634.71	S- 3E-2B (5-9) Q2	3442	20614.27(4)	7.6(3)		
3414	<b>20633.08(5)</b>	27.1(12)		<b>T+ 4b-2a (0-0) R5</b>	3443	<b>20613.81(3)</b>	136.1(7)		<b>T+ 4c-2a (0-1) R3</b>
3415	20632.21(5)	27.4(12)			3444	<b>20613.56(3)</b>	133.0(7)	20613.60	<b>T+ 4b-2a (0-0) R2</b>
3416	20631.34(7)	71(20)							S- 3E-2B (1-3) Q7
3417	<b>20631.12(5)</b>	183(20)	20631.17	<b>T+ 4b-2a (0-0) R4</b>					S+ 3E-2B (3-6) P3
3418	20629.32(6)	17.3(12)	20629.32		3445	20613.14(4)	7.4(4)		
3419	20628.11(4)	94.1(13)	20628.10	S+ GK-2B (6-5) P3	3446	20612.82(3)	30.7(4)	20612.86	S+ 3E-2B (1-3) R3
				S+ GK-2B (2-2) P1	3447	20612.34(5)	3.0(3)		
3420	20627.51(6)	20.3(13)			3448	20611.83(4)	5.6(3)		
3421	20626.62(5)	23.5(13)	20626.58		3449	20611.38(5)	3.0(3)		
3422	20625.87(4)	133.7(19)	20625.86		3450	20610.84(4)	19.2(8)	20610.85	
3423	<b>20625.40(4)</b>	83(2)	20625.41	T+ 4b-2a (0-0) R3	3451	20610.59(5)	6.0(7)		
3424	20623.96(5)	78(7)			3452	20610.18(5)	4.3(3)		
3425	20623.66(4)	137(7)	20623.72	S- 3E-2B (3-6) Q1	3453	20609.67(6)	2.1(3)		
3426	20621.39(6)	1.8(3)			3454	20609.16(5)	2.9(3)		
3427	20620.62(3)	13.0(3)	20620.58	S- 3E-2B (5-9) Q1	3455	20608.76(5)	3.3(3)		
3428	20620.16(5)	3.7(3)			3456	20608.30(3)	35.7(3)	20608.33	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3457	20607.82(5)	3.3(3)	20607.37		3487	20592.87(4)	8.3(4)		<b>T+ 4c-2a (0-1) R2</b>
3458	20607.36(3)	42.3(3)			3488	20592.57(5)	4.3(4)		
3459	20606.98(5)	5.4(3)			3489	20591.77(6)	2.1(3)		
3460	20606.61(6)	2.3(3)			3490	<b>20591.28(4)</b>	9.0(7)		
3461	20606.13(6)	3.3(5)			3491	20591.04(5)	7.5(8)		
3462	20605.84(4)	11.4(5)	20605.86	S+ GK-2B (2-2) P2	3492	20590.51(5)	3.1(3)		
3463	20605.22(3)	17.5(3)			3493	20589.18(5)	3.9(3)		
3464	20604.86(4)	9.6(4)		S+ WZ-2B (0-6) P4	3494	20588.72(7)	1.5(3)		
3465	20604.50(4)	14.5(4)		S+ 3E-2B (3-6) P2	3495	20588.07(7)	1.5(3)		
3466	20604.06(3)	30.0(3)		S+ GK-2B (6-5) P4	3496	20587.09(7)	1.4(3)		
3467	20603.61(5)	6.2(5)	20604.07		3497	20586.26(5)	3.0(3)	20584.36	
3468	20603.34(4)	8.9(6)			3498	20584.38(4)	9.9(3)		
3469	20602.27(5)	5.1(4)			3499	20582.59(4)	4.0(3)		
3470	20601.99(5)	3.9(4)			3500	20581.81(3)	27.5(3)		
3471	20601.16(5)	3.4(3)			3501	20581.36(3)	32.8(3)	20581.33	S+ GK-2B (6-5) P5
3472	20600.57(4)	7.2(3)	20599.47		3502	20580.97(4)	10.7(6)		
3473	20600.00(5)	2.7(3)			3503	20580.70(7)	4.3(6)		
3474	20599.45(3)	19.7(3)		S+ GK-2B (7-6) R3	3504	20580.36(5)	4.6(4)		
3475	20598.85(3)	27.0(6)			3505	20579.91(3)	24.3(3)	20579.90	S+ GK-2B (2-2) P3
3476	20598.55(3)	191.8(7)	20598.56	S+ GK-2B (1-1) R6	3506	20579.41(4)	4.7(3)		
3477	20598.11(4)	5.6(3)			3507	20578.80(4)	6.1(4)		
3478	20597.70(5)	3.5(3)			3508	20578.47(8)	18(5)		
3479	20597.22(4)	7.8(3)			3509	20577.42(7)	11(2)		
3480	<b>20596.82(3)</b>	21.9(3)	20596.84	<b>T+ 4b-2a (0-0) R1</b>	3510	20576.46(8)	8(2)	20576.47	<b>T+ 4b-2a (0-0) R0</b>
3481	20596.42(5)	2.8(3)			3511	20575.95(9)	7(2)	20575.91	
3482	20595.75(5)	2.6(3)			3512	<b>20574.23(5)</b>	26(2)	20574.20	
3483	20595.31(6)	2.7(3)			3513	20572.48(14)	5(2)		
3484	20594.89(5)	4.0(3)			3514	20572.13(6)	18(2)		
3485	20594.44(4)	5.3(3)			3515	20571.50(4)	31(2)		
3486	20593.49(5)	2.9(3)			3516	20570.39(3)	3163.3(17)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3517	20566.67(9)	7(2)			3547	20535.60(3)	4.8(5)		
3518	<b>20566.01(11)</b>	8(3)		<b>T+ 4c-2a (0-1) R1</b>	3548	20534.691(18)	6.4(3)	20534.68	
3519	20565.67(6)	27(3)	20565.72		3549	20532.29(2)	14.0(7)	20532.27	
3520	20565.23(5)	46(3)			3550	<b>20530.43(4)</b>	15.8(11)		<b>T- 3c-2a (5-2) Q2</b>
3521	20564.83(3)	451(5)	20564.82	S+ GK-2B (1-1) R5	3551	20527.018(16)	205.3(15)	20527.01	
3522	20564.46(4)	88(3)			3552	20526.50(3)	40.0(15)		
3523	20564.08(6)	18(2)			3553	20524.75(5)	11.2(11)		
3524	20562.79(8)	9(2)			3554	20523.728(19)	65.8(11)		
3525	20562.31(4)	77(2)	20562.29	S- 3E-2B (1-3) Q6	3555	20522.81(2)	78.2(15)	20522.81	
3526	20561.26(7)	11(2)			3556	20522.30(4)	18.0(15)		
3527	20560.52(6)	16(2)	20560.47		3557	20521.480(14)	945.2(15)	20521.49	S+ GK-2B (1-1) R3
3528	20560.06(6)	17(2)	20560.06	S+ GK-2B (7-6) R2	3558	20520.66(3)	20.3(11)		
3529	20556.38(4)	12.0(12)	20556.42	S+ GK-2B (6-5) P6	3559	20519.69(3)	32.2(16)		
3530	20555.091(14)	15.9(4)		S+ 3E-2B (1-3) R2	3560	20519.195(14)	427.5(17)	20519.19	S- 3E-2B (1-3) Q5
3531	20553.405(13)	23.9(4)	20553.41		3561	<b>20518.31(4)</b>	16.7(12)		<b>T+ 4d-2c (2-3) Q4</b>
3532	20553.038(15)	18.5(4)			3562	20517.62(3)	18.0(12)		
3533	20552.58(2)	5.4(4)			3563	20516.11(2)	41.4(11)	20516.10	S+ GK-2B (2-2) P5
3534	20551.934(16)	10.4(4)	20551.93	S+ GK-2B (7-6) R0	3564	20514.88(6)	5.1(6)		
3535	20550.961(11)	51.0(5)	20550.96	S+ GK-2B (7-6) R1	3565	20514.09(4)	6.6(5)		
3536	20550.197(12)	37.9(4)	20550.21	S+ GK-2B (2-2) P4	3566	20513.04(2)	25.3(6)		
3537	20546.18(2)	6.3(4)			3567	<b>20512.427(17)</b>	185(4)	20512.41	<b>T+ 4b-2a (0-0) P1</b>
3538	20544.62(2)	5.2(4)			3568	20512.13(2)	62(4)		
3539	20542.740(16)	11.1(4)	20542.73		3569	20511.36(3)	9.4(5)		
3540	20540.256(13)	21.9(4)			3570	<b>20510.426(14)</b>	351.4(6)	20510.44	S+ GK-2B (1-1) R2
3541	20539.85(2)	5.9(4)							T- 3c-2a (5-2) Q3
3542	20539.336(10)	169.2(4)			3571	20509.67(4)	7.1(5)		
3543	20538.34(2)	4.7(3)			3572	20508.84(6)	3.8(5)		
3544	20537.444(18)	6.9(3)	20537.45		3573	20508.154(15)	118.0(6)	20508.16	
3545	20536.47(2)	4.8(3)			3574	20507.589(15)	111.1(6)	20507.61	
3546	20535.88(2)	8.7(5)			3575	20506.90(4)	7.2(5)		



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3576	20505.74(3)	8.4(5)			3605	20485.00(5)	5.5(5)		
3577	20505.050(17)	53.3(5)			3606	<b>20484.268(14)</b>	229.7(5)		<b>T- 3c-2a (5-2) Q4</b>
3578	20504.302(14)	476.4(7)	20504.29	S+ GK-2B (1-1) R1					S- 3E-2B (1-3) Q4
3579	20503.58(2)	36.5(8)			3607	20483.495(16)	57.1(4)		
3580	20503.09(3)	21.0(8)			3608	20482.630(17)	38.3(4)		
3581	20502.34(3)	10.4(5)			3609	20481.83(3)	9.0(4)		
3582	20500.80(2)	42.5(12)			3610	20481.085(19)	32.4(5)		
3583	20500.40(3)	28.3(12)			3611	20480.47(4)	6.0(5)		
3584	20499.659(15)	123.8(5)	20499.68	S+ GK-2B (1-1) R0	3612	<b>20479.464(19)</b>	35.2(6)		<b>T- 4c-2a (0-1) Q4</b>
3585	20498.858(14)	135.5(5)	20498.85	S 3A-2B (2-6) R2	3613	20478.96(5)	6.0(6)		
				S+ 3E-2B (1-3) R1	3614	20477.78(4)	8.5(5)		
3586	20498.11(4)	7.4(5)			3615	20476.83(4)	15.9(5)	20476.82	
3587	20497.354(15)	124.6(5)	20497.36	S+ 3E-2B (1-3) P6	3616	<b>20475.68(3)</b>	41.3(6)	20475.67	<b>T+ 4c-2a (1-2) R4</b>
3588	20496.53(6)	4.5(6)			3617	20475.02(8)	4.9(6)		
3589	20495.95(3)	14.8(6)			3618	20474.27(6)	6.7(5)		
3590	20495.24(4)	6.9(5)			3619	<b>20473.46(3)</b>	109.5(6)	20473.50	<b>T+ 4b-2a (0-0) P2</b>
3591	20494.41(3)	9.0(5)			3620	20472.74(4)	18.9(5)		
3592	20493.652(17)	47.5(5)	20493.65		3621	20471.85(3)	126.3(6)	20471.88	S+ GK-2B (1-1) P1
3593	20492.81(3)	13.1(5)			3622	20471.00(7)	4.8(5)		
3594	20492.00(2)	26.6(5)			3623	20470.28(7)	5.9(5)		
3595	20491.25(3)	17.5(8)			3624	20469.53(5)	11.8(5)		
3596	<b>20490.80(3)</b>	13.5(9)		<b>T- 4c-2a (0-1) Q3</b>	3625	20468.22(5)	21.1(19)	20468.17	
3597	20489.82(3)	16.9(15)			3626	20467.86(6)	13.0(19)		
3598	20489.45(2)	67.6(14)			3627	20465.77(5)	11.3(7)		S 3A-2B (2-6) R1
3599	20488.86(6)	4.3(6)			3628	<b>20465.26(4)</b>	18.0(7)	20465.27	<b>T- 4c-2a (0-1) Q5</b>
3600	20488.12(3)	14.5(5)			3629	20463.10(6)	8.4(7)		
3601	20487.52(3)	7.9(5)			3630	20461.57(4)	17.1(7)		
3602	20486.56(4)	10.9(14)			3631	20460.45(5)	11.9(7)		
3603	20486.176(19)	75.7(12)	20486.15		3632	20459.60(5)	15.5(8)		
3604	20485.56(2)	30.2(5)			3633	20458.97(4)	40.4(8)	20458.93	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3634	20458.33(5)	32.7(14)	20458.36		3663	20430.27(6)	7.9(7)		
3635	20457.91(8)	8.7(15)			3664	<b>20429.39(3)</b>	64.3(6)		<b>T+ 4b-2a (0-0) P3</b>
3636	<b>20457.02(3)</b>	398.0(9)	20457.06	S- 3E-2B (1-3) Q3	3665	<b>20428.74(4)</b>	16.3(6)		<b>T- 4c-2a (0-1) Q7</b>
				<b>T+ 4c-2a (1-2) R3</b>	3666	20427.19(3)	115.8(6)	20427.15	
3637	20455.78(5)	13.4(7)		S+ GK-2B (1-1) P13	3667	20426.44(6)	7.4(6)		
3638	20454.90(3)	211.3(8)	20454.91	S+ 3E-2B (1-3) P5	3668	20425.22(6)	7.2(6)		
3639	20453.96(5)	12.3(7)			3669	20424.30(3)	197.7(6)	20424.29	S- 3E-2B (1-3) Q1
3640	20453.20(6)	9.3(7)			3670	20423.38(6)	7.4(6)		
3641	20452.17(5)	25.2(19)	20452.15		3671	20422.57(6)	6.1(6)		
3642	20451.79(4)	56.4(19)	20451.79	S+ 3E-2B (1-3) R0	3672	20421.29(5)	15.1(6)	20421.35	
3643	20450.12(6)	6.8(7)			3673	20420.13(6)	14.1(5)		
3644	20449.02(4)	20.2(8)	20449.08		3674	20418.74(7)	9.6(6)	20418.65	S+ GK-2B (1-1) P12
3645	<b>20448.35(4)</b>	33.4(8)	20448.36	<b>T- 4c-2a (0-1) Q6</b>	3675	20418.12(5)	22.2(6)	20418.18	
3646	20447.05(6)	7.7(7)			3676	20417.36(7)	7.2(5)		
3647	20445.46(3)	86.9(7)	20445.44	S- 3E-2B (4-8) Q7	3677	20416.39(6)	11.3(5)	20416.31	
3648	20444.47(3)	78.5(8)			3678	20413.90(5)	121.3(7)	20413.92	
3649	20443.76(3)	185.6(8)	20443.75		3679	<b>20412.62(6)</b>	15.9(6)	20412.60	<b>T- 3c-2a (5-2) Q6</b>
3650	20442.83(3)	102.3(8)	20442.81	S+ GK-2B (1-1) P2	3680	20411.91(8)	7.2(6)		
3651	20442.03(6)	8.8(8)			3681	<b>20411.05(5)</b>	26.6(6)	20411.06	<b>T+ 4c-2a (1-2) R1</b>
3652	20441.30(5)	13.2(8)			3682	20410.23(5)	202.2(10)	20410.25	S+ 3E-2B (1-3) P3
3653	20438.12(5)	8.7(6)			3683	20409.73(5)	156.8(9)	20409.77	S+ GK-2B (1-1) P3
3654	20437.23(3)	156.6(6)	20437.19	S- 3E-2B (1-3) Q2	3684	20408.97(6)	11.9(6)		
3655	20436.30(4)	21.1(6)			3685	20408.02(6)	11.1(6)		
3656	20435.51(5)	11.4(7)			3686	<b>20406.68(5)</b>	26.4(6)	20406.67	<b>T- 4c-2a (0-1) Q8</b>
3657	<b>20434.93(4)</b>	36.6(7)		<b>T+ 4c-2a (1-2) R2</b>	3687	20405.65(6)	11.1(6)	20405.73	
3658	20434.15(4)	34.3(6)			3688	20404.24(5)	42.5(6)	20404.28	S 3A-2B (3-8) R4
3659	20433.47(4)	29.8(6)	20433.51		3689	20401.94(8)	6.4(6)		
3660	20432.34(4)	15.8(6)			3690	20401.15(5)	53.4(8)	20401.17	
3661	20431.62(3)	124.1(6)	20431.60	S+ 3E-2B (1-3) P4	3691	20400.61(6)	14.7(8)		
3662	20430.83(3)	53.1(7)	20430.84		3692	20399.75(5)	66.2(6)	20399.76	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3693	20398.47(5)	50.5(7)	20398.48	S+ 3E-2B (1-3) P2	3723	20368.76(7)	10.2(7)		
3694	20397.77(6)	18.6(6)	20397.84		3724	20367.31(5)	22.9(7)	20367.25	
3695	20396.42(7)	7.9(6)	20396.35		3725	20366.49(7)	10.7(7)		
3696	20395.53(6)	11.0(6)	20395.45		3726	<b>20365.68(6)</b>	14.8(7)		<b>T+ 4c-2a (0-1) P4</b>
3697	20394.20(5)	24.9(6)	20394.18	S+ GK-2B (8-7) R2	3727	20362.00(9)	4.4(6)		
3698	20393.46(5)	53.2(6)	20393.47	S- 3E-2B (4-8) Q6	3728	20361.24(9)	5.2(6)		
3699	20391.78(6)	17.6(6)	20391.76	S+ 3F-2B (0-2) R3	3729	20360.40(6)	17.7(9)		
3700	20391.00(5)	19.4(6)	20390.95		3730	20359.86(4)	103.0(8)	20359.92	
3701	20387.91(7)	6.3(5)			3731	20359.13(5)	40.9(6)	20359.10	
3702	20386.63(7)	7.4(6)			3732	20358.37(5)	43.2(15)	20358.37	
3703	20386.07(5)	76.8(6)	20386.09	S+ GK-2B (8-7) R1	3733	20357.95(5)	79.7(16)	20357.95	
3704	20385.27(6)	29.1(12)	20385.22	S 3A-2B (2-6) P4	3734	20357.04(8)	5.2(5)		
3705	20384.85(6)	29.7(11)	20384.81		3735	<b>20355.92(5)</b>	49.0(5)	20355.93	<b>T+ 4b-2a (1-1) R3</b>
3706	20384.18(5)	62.4(7)	20384.22	S 3A-2B (2-6) P3	3736	20354.90(5)	17.3(5)		
3707	20383.63(8)	7.8(7)			3737	20354.02(5)	33.1(5)		S+ GK-2B (1-1) P10
3708	20383.00(5)	28.0(6)	20382.99	S+ GK-2B (1-1) P11	3738	20353.14(4)	113.5(5)	20353.11	S+ GK-2B (1-1) P5
3709	20382.17(6)	12.7(8)	20382.11		3739	<b>20352.15(5)</b>	24.3(5)	20352.22	<b>T- 4c-2a (1-2) Q1</b>
3710	20381.69(8)	8.2(8)			3740	20351.37(4)	93.6(6)	20351.37	
3711	20380.85(8)	5.2(5)			3741	20350.37(7)	9.6(7)		
3712	<b>20379.97(4)</b>	223.7(6)	20379.99	<b>T+ 4b-2a (0-0) P4</b>	3742	20349.78(7)	11.5(7)		
3713	20379.19(10)	4.7(7)			3743	20348.98(4)	123.8(6)		S- 3E-2B (4-8) Q5
3714	20378.68(5)	69.4(7)	20378.67	S+ GK-2B (1-1) P4	3744	20347.89(6)	16.5(6)	20347.92	S+ GK-2B (8-7) P1
3715	20377.90(8)	5.3(5)			3745	20347.23(8)	8.2(6)		
3716	20377.18(6)	12.1(5)	20377.20		3746	<b>20346.49(4)</b>	245.4(7)	20346.49	<b>T+ 4b-2a (1-1) R2</b>
3717	20376.45(6)	12.3(5)	20376.49	S+ GK-2B (8-7) R0					<b>T- 4c-2a (1-2) Q2</b>
3718	20374.77(8)	5.1(5)			3747	20345.50(7)	6.6(5)		
3719	20374.07(5)	107.4(6)	20374.11		3748	20344.41(4)	113.1(5)	20344.42	
3720	20373.34(8)	4.9(5)			3749	20343.46(6)	10.5(5)	20343.43	
3721	20370.62(5)	38.6(7)	20370.67		3750	20342.46(5)	22.9(5)	20342.47	
3722	20369.55(4)	187.5(8)	20369.58		3751	20341.30(8)	6.0(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3752	20340.59(5)	31.6(6)	20340.53		3779	20312.69(5)	290.3(10)	20312.67	S- 3E-2B (2-5) Q7
3753	20339.88(6)	30.6(12)	20339.93		3780	20312.01(5)	72.6(7)	20312.02	S- 3E-2B (4-8) Q4
3754	20339.43(6)	29.0(14)	20339.45		3781	20310.96(7)	9.7(6)	20311.00	
3755	<b>20338.13(5)</b>	34.3(5)	20338.09	<b>T- 4c-2a (1-2) Q3</b>	3782	<b>20310.15(5)</b>	42.0(6)	20310.14	<b>T+ 4b-2a (1-1) R0</b>
3756	20336.81(5)	24.6(6)			3783	20309.39(7)	11.1(6)	20309.48	
3757	20335.95(7)	9.1(6)			3784	20308.21(5)	52.0(6)	20308.20	
3758	20335.08(4)	101.3(6)	20335.08	S+ GK-2B (1-1) P9 S+ GK-2B (1-1) P6	3785	20306.94(6)	46.0(8)	20306.94	S+ GK-2B (8-7) P3
					3786	20306.36(8)	12.6(8)		
3759	20333.80(6)	11.8(5)	20333.79		3787	20305.82(6)	24.3(9)	20305.82	S+ 3E-2B (4-8) R1
3760	20332.77(5)	19.2(5)	20332.72		3788	20303.41(7)	9.6(6)		
3761	<b>20331.14(5)</b>	41.6(6)	20331.13	<b>T+ 4b-2a (1-1) R1</b>	3789	20302.63(5)	56.0(6)	20302.67	
3762	20330.04(7)	6.9(5)			3790	20301.43(6)	16.3(7)		
3763	20328.80(5)	17.0(5)	20328.71		3791	20300.71(5)	187.0(7)	20300.68	
3764	20327.67(7)	7.9(6)			3792	20299.92(6)	22.0(6)	20299.99	
3765	<b>20326.80(4)</b>	122.4(6)	20326.77	T+ 4b-2a (0-0) P5 <b>T- 4c-2a (1-2) Q4</b>	3793	20298.65(7)	9.6(6)		
				S+ GK-2B (1-1) P7 S+ GK-2B (1-1) P8	3794	20296.87(7)	15.4(12)	20296.77	S 3A-2B (3-8) R2
3766	20325.64(4)	96.5(6)	20325.65		3795	<b>20296.43(6)</b>	64.3(12)	20296.38	<b>T- 4c-2a (1-2) Q6</b>
					3796	20295.53(7)	10.9(6)		
3767	20324.70(9)	4.7(6)			3797	20294.70(5)	97.4(17)	20294.68	
3768	20323.37(8)	6.7(6)			3798	20294.31(5)	100.1(17)	20294.32	
3769	20322.11(5)	60.2(6)	20322.13		3799	20292.12(6)	15.4(6)		
3770	<b>20320.55(5)</b>	127.7(8)	20320.54	<b>T+ 4c-2a (2-3) R4</b>	3800	20291.23(9)	7.8(7)		
3771	20319.91(6)	57.1(13)	20319.93		3801	20290.55(5)	104.2(8)		
3772	20319.47(7)	22.6(14)	20319.49		3802	20290.00(6)	20.3(8)		
3773	20317.57(9)	5.2(6)			3803	20288.81(5)	76.2(5)		S+ 3E-2B (2-5) R3
3774	20316.83(10)	5.9(7)			3804	20287.76(7)	8.2(5)		
3775	20316.21(6)	23.2(7)	20316.23		3805	20286.87(5)	193.9(6)	20286.85	
3776	20315.05(6)	14.7(6)			3806	20285.99(9)	15(3)		
3777	20314.22(7)	8.7(6)			3807	20285.62(7)	50.6(19)		
3778	20313.32(6)	33.5(8)			3808	20285.17(7)	17.9(14)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3809	20283.85(6)	45(4)	20283.78	S+ GK-2B (8-7) P4	3837	<b>20259.09(6)</b>	27.2(13)		<b>T+ 4c-2a (2-3) R1</b>
3810	20283.54(8)	34(3)	20283.54		3838	20258.61(6)	12.5(11)		
3811	20282.91(9)	16.3(14)			3839	20256.00(7)	9.3(9)		
3812	<b>20282.48(5)</b>	176.4(16)	20282.53		3840	20255.47(4)	165(2)	20255.48	
				<b>T+ 4c-2a (2-3) R2</b>	3841	<b>20255.11(5)</b>	35(2)		<b>T+ 4c-2a (1-2) P3</b>
3813	20281.85(6)	17.5(6)			3842	20254.27(4)	22.7(6)		
3814	20281.00(8)	6.1(5)			3843	20253.48(4)	29.5(6)	20253.46	S+ EF-2B (29-3) R2
3815	20280.26(7)	15.4(7)			3844	20252.21(5)	9.7(6)		
3816	20279.75(6)	19.6(8)	20279.77		3845	<b>20250.89(4)</b>	26.1(6)	20250.92	<b>T+ 4b-2a (1-1) P1</b>
3817	20278.42(6)	16.6(5)	20278.38		3846	20249.81(4)	100.1(6)	20249.81	S+ GK-2B (3-3) R6
3818	20277.44(6)	39.9(15)	20277.30		3847	20249.10(4)	50.1(6)	20249.11	
3819	20277.06(6)	28.3(15)			3848	20248.19(3)	529.2(8)	20248.19	
3820	20276.00(6)	9.7(5)	20275.93		3849	20247.29(5)	16.2(6)		
3821	20274.47(4)	32.8(6)	20274.51		3850	20245.78(4)	79.3(6)	20245.78	S- 3E-2B (4-8) Q1
3822	20273.98(5)	13.5(6)			3851	20244.64(4)	40.1(6)	20244.59	
3823	20272.93(4)	24.0(4)	20272.93		3852	20243.78(5)	13.6(6)		
3824	20272.17(5)	12.0(4)			3853	20243.09(4)	39.7(6)	20243.06	
3825	20270.97(6)	8.5(8)			3854	20241.31(5)	14.4(5)	20241.27	S+ 3E-2B (0-2) R5
3826	20270.53(6)	8.1(8)			3855	20239.89(5)	29.7(16)		
3827	20268.93(9)	3.6(6)			3856	20239.51(4)	39.9(15)	20239.60	S 3A-2B (3-8) R0
3828	<b>20268.38(4)</b>	115.4(7)	20268.36	<b>T+ 4b-2a (0-0) P6</b>	3857	20238.71(5)	11.8(5)		
3829	20265.92(4)	55.7(4)	20265.93		3858	20237.56(4)	118.3(6)		S+ EF-2B (29-3) R3
3830	20264.82(8)	3.9(5)			3859	20236.69(4)	49.5(6)	20236.64	S+ EF-2B (29-3) P1
3831	20264.21(4)	41.4(5)	20264.23	S 3A-2B (3-8) R1	3860	20236.00(7)	5.1(6)		
3832	20262.91(5)	11.2(4)		S+ EF-2B (29-3) R0	3861	20234.68(4)	29.7(8)	20234.66	
3833	20262.22(4)	48.2(4)	20262.25	S+ EF-2B (29-3) R1	3862	20234.19(4)	51.3(8)	20234.12	S+ 3E-2B (2-5) R2
3834	20261.22(5)	15.2(6)			3863	<b>20233.36(4)</b>	36.5(5)	20233.38	<b>T+ 4c-2a (2-3) R0</b>
3835	20260.47(4)	63.0(6)	20260.48	S- 3E-2B (4-8) Q2	3864	20232.44(5)	9.5(5)		
3836	20259.50(4)	210.5(16)	20259.56	S- 3E-2B (2-5) Q6	3865	20231.42(4)	18.3(5)	20231.37	
				S+ WY-2B (0-1) P2	3866	20230.53(4)	37.4(11)	20230.54	S+ 3E-2B (4-8) P2

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
3867	20230.10(8)	7.6(11)			3896	20206.59(3)	44.0(8)	20206.59	
3868	20228.97(6)	18.3(15)		S+ 3F-2B (0-2) P5	3897	20205.83(3)	52.2(9)	20205.88	
3869	20228.59(4)	36.8(15)	20228.59	S+ 3E-2B (4-8) P3	3898	20205.23(5)	20.8(10)		
3870	20226.10(6)	4.1(4)			3899	20204.73(3)	64.1(11)	20204.73	
3871	20225.06(6)	3.6(4)			3900	20203.87(4)	26.1(8)	20203.81	
3872	20223.97(4)	12.3(4)			3901	20202.87(4)	42(3)		
3873	20223.32(3)	54.8(4)	20223.32	S+ 3E-2B (0-2) P10	3902	<b>20202.53(4)</b>	59(3)	20202.56	<b>T- 4c-2a (2-3) Q1</b>
3874	20222.30(3)	47.9(5)	20222.28		3903	20200.01(6)	8.3(8)		
3875	20221.66(3)	24.9(5)	20221.62		3904	20199.20(3)	56.6(14)		
3876	20220.99(3)	98.3(5)	20220.99		3905	20198.74(3)	361.0(15)	20198.74	S+ GK-2B (3-3) R5
3877	20220.35(6)	5.4(5)			3906	20197.86(5)	13.2(8)		
3878	20219.76(3)	109.6(5)	20219.76	S+ EF-2B (29-3) R4	3907	<b>20197.00(3)</b>	86.0(8)	20197.00	<b>T- 4c-2a (2-3) Q2</b>
3879	20219.02(5)	13.9(8)			3908	20195.41(8)	4.7(8)		
3880	20218.56(6)	11.8(7)			3909	20193.91(3)	33.6(8)	20193.89	
3881	20218.09(4)	20.8(7)			3910	20192.36(3)	81.0(18)	20192.34	
3882	<b>20217.45(3)</b>	288.8(6)	20217.44	<b>T+ 4c-2a (1-2) P4</b>	3911	20191.98(4)	30.4(18)		
3883	20216.84(5)	8.2(5)			3912	20189.37(7)	8.7(9)		
3884	20215.95(3)	68.3(4)	20215.95		3913	<b>20188.75(3)</b>	57.0(9)	20188.71	<b>T- 4c-2a (2-3) Q3</b>
3885	20215.20(5)	5.6(4)			3914	20187.73(5)	13.3(9)		
3886	20214.40(3)	345.1(9)	20214.42	S- 3E-2B (2-5) Q5	3915	20187.04(6)	12.8(9)		S 3A-2B (3-8) P3
3887	20213.52(3)	90(3)	20213.51		3916	20186.41(5)	15.9(9)		
3888	20213.19(8)	26(2)			3917	20185.41(6)	8.7(8)		
3889	<b>20212.86(3)</b>	86(3)	20212.89	<b>T+ 4b-2a (1-1) P2</b>	3918	20184.08(4)	38.6(8)		
3890	20212.11(5)	6.8(5)			3919	20183.37(5)	12.8(9)		
3891	20211.50(3)	65.1(8)	20211.50		3920	20182.61(3)	128.3(9)		S+ 3E-2B (2-5) R1
3892	20210.67(3)	119.5(8)	20210.69	S- 3E-2B (0-2) Q10	3921	20181.84(9)	19(6)		
3893	20209.42(5)	12.8(8)		S+ EF-2B (29-3) P2	3922	20181.53(5)	51(6)	20181.55	
3894	20208.66(3)	41.7(8)		S- 4E-2B (0-8) Q5	3923	20180.56(6)	10.4(8)		
				S 3A-2B (3-8) P5	3924	20179.77(4)	26.6(8)		
3895	20208.03(4)	25.1(8)	20208.07		3925	<b>20178.76(4)</b>	23.2(8)	20178.79	<b>T+ 4c-2a (1-2) P5</b>

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3926	<b>20177.84(3)</b>	113.1(15)	20177.78	<b>T- 4c-2a (2-3) Q4</b>	3956	20147.37(4)	51.5(12)	20147.31	S+ 3E-2B (0-2) R4
3927	20177.38(3)	186.4(16)	20177.35	S- 3E-2B (2-5) Q4	3957	20146.80(6)	7.6(7)		
3928	20176.07(4)	19.6(8)			3958	20146.04(3)	112.9(5)	20146.03	
3929	20174.58(3)	63.5(8)	20174.59		3959	20145.27(5)	12.7(5)		
3930	20173.68(4)	18.7(8)		S+ EF-2B (29-3) P3	3960	20144.52(6)	6.4(5)		
3931	20172.95(4)	19.7(8)	20172.93	S- 3F-2B (1-4) Q5	3961	20143.52(6)	9.3(9)		
3932	20171.85(4)	21.2(6)	20171.89		3962	<b>20142.71(3)</b>	434.1(10)	20142.72	T+ 4c-2a (2-3) P2
3933	20170.99(10)	2.2(5)							S+ GK-2B (3-3) R3
3934	<b>20169.43(3)</b>	168.8(6)	20169.47	<b>T+ 4b-2a (1-1) P3</b>	3963	<b>20141.84(5)</b>	17.8(9)	20141.84	<b>T- 3c-2a (6-3) Q3</b>
3935	20168.23(4)	34.7(5)	20168.23		3964	20141.04(4)	25.0(9)	20141.07	S+ GK-2B (9-8) R0
3936	20166.95(5)	11.6(5)			3965	20139.55(3)	283.6(19)	20139.56	S+ 3E-2B (2-5) P5
3937	20165.36(6)	6.6(5)			3966	20139.11(7)	21.1(17)		
3938	20164.32(5)	36(5)	20164.29	S+ GK-2B (3-3) R4	3967	20138.60(4)	176.3(13)	20138.58	S+ 3E-2B (0-2) P9
3939	20164.08(4)	60(5)	20164.09		3968	<b>20137.97(4)</b>	40.3(9)		<b>T+ 4c-2a (1-2) P6</b>
3940	20163.02(5)	9.6(5)			3969	20137.10(4)	25.6(9)		
3941	<b>20161.19(4)</b>	24.4(5)	20161.19	<b>T- 3c-2a (6-3) Q2</b>	3970	20136.33(7)	7.0(9)		
3942	20160.18(6)	5.6(5)			3971	20134.92(7)	6.8(9)		
3943	20159.38(3)	98.1(5)	20159.38		3972	20134.20(8)	6.6(9)		
3944	20158.28(5)	8.1(5)			3973	20133.34(3)	166.1(10)	20133.32	
3945	20157.19(4)	54.3(5)	20157.17		3974	20132.75(3)	258.9(12)	20132.79	S+ GK-2B (3-3) R2
3946	20154.65(4)	14.2(5)	20154.70		3975	20132.24(6)	15.0(12)		
3947	20153.75(3)	86.8(5)	20153.73		3976	20130.77(4)	15.4(8)		
3948	20152.97(6)	6.1(5)			3977	20129.90(2)	290.0(8)	20129.83	S- 3E-2B (0-2) Q9
3949	20151.88(5)	27(3)							S+ EF-2B (29-3) P4
3950	20151.58(4)	168(3)	20151.54	S+ GK-2B (9-8) R3	3978	20129.01(3)	44.2(8)	20129.07	
3951	20150.80(7)	5.1(5)			3979	20128.11(3)	17.0(9)		
3952	20149.57(3)	103.9(5)	20149.55	S+ GK-2B (9-8) R4	3980	20127.59(4)	11.5(9)		
3953	20148.81(3)	101.4(6)	20148.84	S+ GK-2B (9-8) R1	3981	20126.71(3)	108(7)		
3954	20148.12(4)	412(7)	20148.11	S- 3E-2B (2-5) Q3	3982	20126.46(2)	147(7)	20126.44	S- 3E-2B (2-5) Q2
3955	20147.86(5)	109(7)	20147.85		3983	20125.63(3)	77(4)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
3984	20125.23(4)	114(11)	20125.23	S+ GK-2B (3-3) R1	4014	20095.83(4)	6.7(5)	20089.98	S+ GK-2B (9-8) P2
3985	20124.99(2)	298(14)	20124.99		4015	20095.20(3)	16.7(5)		
3986	20123.93(3)	10.9(6)			4016	20094.57(3)	16.2(5)		
3987	20121.99(3)	28.2(17)	20121.99		4017	20093.20(5)	5.3(6)		
3988	20121.60(7)	9.4(16)			4018	20092.28(6)	5.2(6)		
3989	<b>20120.925(18)</b>	120.0(7)	20120.94	T+ 4b-2a (1-1) P4	4019	20090.73(6)	5.7(6)	20088.46	
3990	20117.421(17)	117.0(6)	20117.44	S+ 3E-2B (2-5) P4	4020	20089.988(17)	147.9(7)		
3991	20116.269(18)	96.6(7)			4021	20088.447(18)	128.2(9)		
3992	20115.463(18)	94.1(7)	20115.45		4022	20087.88(3)	44.5(8)		
3993	20113.90(2)	24.9(7)	20113.89	S+ GK-2B (4-4) R2	4023	20087.32(3)	21.3(9)		
3994	20113.37(4)	21.9(13)	20113.35	S+ GK-2B (9-8) P1	4024	20086.40(2)	126(4)	20084.18	T- 3c-2a (6-3) Q5 T+ 4b-2a (2-2) R2
3995	20113.01(6)	7.9(15)			4025	20086.09(3)	64(4)		
3996	20112.138(16)	184.1(5)	20112.17	S- 3E-2B (2-5) Q1	4026	20085.10(3)	11.8(6)		
3997	20111.34(4)	6.0(5)			4027	<b>20084.177(18)</b>	84.4(6)		
3998	<b>20110.47(2)</b>	21.1(5)	20110.48	T+ 4c-2a (3-4) R1					
3999	20109.63(3)	7.7(5)			4028	20083.21(3)	31.7(19)	20083.18	S+ GK-2B (4-4) R0
4000	<b>20108.59(2)</b>	20.9(5)	20108.61	T+ 4c-2a (2-3) P3	4029	20082.82(4)	26.4(19)	20082.83	
4001	20107.734(18)	59.1(5)	20107.73		4030	20082.01(2)	27.7(6)	20081.99	
4002	20107.10(5)	5.1(5)			4031	20080.88(2)	29.8(6)		
4003	20104.92(3)	8.3(5)			4032	20079.59(3)	21.3(6)	20079.58	S+ EF-2B (29-3) P5
4004	20103.61(2)	19.1(5)			4033	20078.53(8)	3.7(6)		S+ 3E-2B (0-2) P8 T+ 4c-2a (2-3) P4 S+ GK-2B (9-8) P3
4005	20102.80(4)	12.5(8)			4034	20077.28(5)	7.3(6)		
4006	20102.38(3)	15.8(8)			4035	20074.54(4)	21.4(7)		
4007	20101.58(3)	9.4(5)			4036	20073.90(3)	105.6(7)	20073.91	
4008	20100.52(2)	24.1(5)			4037	<b>20072.51(3)</b>	43.3(6)	20072.53	
4009	20099.79(6)	3.7(5)			4038	20071.55(3)	28.8(6)	20071.55	T+ 4b-2a (2-2) R1
4010	20098.882(16)	184.8(6)	20098.88	S+ 3E-2B (2-5) P3	4039	20070.69(12)	2.4(6)		
4011	20098.25(3)	14.8(5)			4040	<b>20069.92(3)</b>	22.0(6)	20069.91	
4012	20097.26(2)	16.8(5)			4041	20069.18(3)	26.5(7)	20069.23	
4013	20096.506(17)	110.4(5)	20096.50	S+ GK-2B (4-4) R1	4042	20068.41(4)	18.6(6)		



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4043	<b>20067.58(3)</b>	57.5(5)	20067.58	<b>T+ 4b-2a (1-1) P5</b>	4073	20040.16(3)	66.6(10)	20038.88	
4044	20066.19(6)	4.8(5)			4074	20039.56(4)	25.5(10)		
4045	20065.23(3)	132.7(18)	20065.25		4075	20038.87(3)	52.5(10)		
4046	20064.86(4)	37.9(16)			4076	20038.31(5)	15.8(11)		
4047	20064.27(6)	7.1(6)			4077	20037.34(5)	10.2(8)		
4048	20063.64(4)	15.1(5)		S+ GK-2B (3-3) P2	4078	20036.37(3)	172.9(12)	20036.37	S+ GK-2B (3-3) P3 S- 3E-2B (5-10) Q7
4049	20063.03(3)	82.4(5)	20063.03		4079	20035.82(4)	22.7(11)		
4050	20062.15(9)	2.3(5)			4080	20034.53(3)	22.0(6)	20034.51	<b>T- 4c-2a (3-4) Q4</b>
4051	20060.11(3)	51.1(5)	20060.07		4081	20033.58(5)	6.3(4)		
4052	20059.53(3)	114.9(6)	20059.51		4082	20032.97(5)	5.4(4)		
4053	20058.43(2)	182.9(8)	20058.45	S- 3E-2B (0-2) Q8	4083	<b>20032.13(3)</b>	95.6(7)	20032.15	
4054	20057.89(6)	9.2(7)			4084	20031.69(4)	18.2(7)	20031.67	
4055	20057.36(4)	13.5(7)			4085	20030.95(4)	12.6(4)	20030.95	S+ GK-2B (4-4) P2
4056	20056.58(3)	108.1(8)			4086	20030.24(3)	60.7(4)	20030.27	
4057	20056.10(6)	6.3(8)			4087	20029.42(5)	6.2(4)		
4058	20055.15(6)	4.1(5)			4088	20028.68(3)	72.4(9)	20028.66	
4059	20054.36(4)	12.1(5)			4089	20028.25(6)	11.1(9)		
4060	20052.32(3)	25.9(5)			4090	20027.78(3)	165.4(9)	20027.79	
4061	20051.72(4)	10.2(5)			4091	20025.85(7)	2.6(4)		
4062	<b>20050.93(3)</b>	85.6(5)	20050.94	<b>T- 4c-2a (3-4) Q2</b>	4092	20025.04(4)	11.2(4)		
4063	<b>20049.97(3)</b>	29.8(5)		<b>T+ 4b-2a (2-2) R0</b>	4093	20024.48(4)	9.1(4)		
4064	20049.16(2)	196.2(6)			4094	20023.35(7)	3.1(4)		
4065	20048.55(5)	6.4(5)			4095	20022.69(3)	46.5(4)	20022.71	<b>T+ 4c-2a (4-5) R4</b> <b>T- 4c-2a (3-4) Q5</b>
4066	20047.69(3)	17.0(5)			4096	20021.68(6)	3.2(4)		
4067	20046.92(5)	9.1(5)			4097	20020.19(5)	9.4(8)		
4068	20046.31(5)	11.1(6)			4098	<b>20019.44(3)</b>	53.1(9)	20019.43	
4069	20045.76(3)	129.2(7)	20045.71		4099	<b>20018.71(3)</b>	44.1(9)	20018.72	
4070	20044.05(4)	18.8(8)		S+ GK-2B (9-8) P4	4100	20017.82(5)	14.5(9)		
4071	<b>20042.87(3)</b>	45.9(8)	20042.85	<b>T- 4c-2a (3-4) Q3</b>	4101	20017.12(3)	166.6(9)	20017.15	
4072	20041.24(4)	21.0(8)	20041.27		4102	20016.52(3)	170.4(9)	20016.50	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4103	20014.96(9)	4.3(8)			4131	<b>19992.97(4)</b>	18.8(7)		<b>T+ 4b-2a (2-2) P1</b>
4104	20014.15(10)	4.1(9)			4132	19992.40(5)	9.7(7)		
4105	20013.54(3)	80.4(10)	20013.58	S+ GK-2B (9-8) P5	4133	19991.74(4)	12.0(7)		
4106	20012.99(3)	51.8(10)	20012.99		4134	19990.40(6)	5.2(6)		
4107	20011.72(5)	11.4(8)			4135	19989.64(3)	62.5(6)	19989.61	
4108	<b>20010.48(3)</b>	145.7(9)	20010.49	S+ GK-2B (4-4) P3	4136	19988.69(3)	198.1(7)	19988.65	
				<b>T+ 4b-2a (1-1) P6</b>	4137	19988.00(4)	13.2(7)		
4109	20009.73(3)	366.6(12)	20009.76	S+ 3E-2B (0-2) P7	4138	<b>19986.47(3)</b>	121.8(6)	19986.50	<b>T+ 4c-2a (4-5) R2</b>
4110	20009.21(3)	79.7(11)	20009.26	S+ GK-2B (3-3) P4	4139	19984.74(3)	147.5(10)	19984.73	S+ GK-2B (3-3) P5
4111	20007.55(4)	15.3(9)			4140	19984.24(4)	23.6(9)		
4112	20006.88(5)	11.3(9)			4141	19983.61(5)	9.6(7)		
4113	20006.10(4)	47.0(16)		S+ GK-2B (1-2) R11	4142	19982.78(3)	30.6(6)		S- 3E-2B (5-10) Q6
				S+ GK-2B (5-5) R4	4143	19981.90(3)	41.9(6)		
4114	20005.63(3)	330(3)	20005.62		4144	19979.90(8)	3.7(6)		
4115	20005.26(6)	21(3)			4145	19978.79(4)	25.4(8)		S+ 3E-2B (0-2) R2
4116	<b>20004.54(4)</b>	26.4(12)		T+ 4c-2a (4-5) R3	4146	19978.27(6)	8.8(8)		
4117	20004.05(3)	277.9(13)	20004.05		4147	19976.49(4)	18.2(6)		
4118	20003.14(4)	44(3)			4148	19975.44(9)	3.3(6)		
4119	<b>20002.81(4)</b>	62(3)	20002.80	<b>T- 4c-2a (3-4) Q6</b>	4149	19974.68(4)	14.7(6)		
4120	20001.91(3)	28.5(8)	20001.85		4150	19973.92(3)	268.8(7)	19973.94	
4121	19999.77(5)	10.6(8)	19999.72		4151	19973.05(3)	43.7(10)		
4122	<b>19998.74(4)</b>	19.1(7)	19998.74	<b>T+ 4c-2a (3-4) P2</b>	4152	19972.59(5)	6.9(5)		S+ GK-2B (3-3) P6
4123	19997.92(7)	5.0(7)			4153	19971.95(3)	98.3(5)	19971.98	
4124	19997.26(3)	25.2(7)	19997.26		4154	19971.08(10)	4.2(9)		
4125	19996.41(3)	397.6(8)	19996.37	S- 3E-2B (0-2) Q7	4155	19970.6(2)	1.6(8)		
4126	19995.66(4)	45(2)			4156	19970.00(5)	6.1(5)		
4127	19995.27(4)	68.4(15)	19995.25		4157	19968.88(3)	64.2(5)		
4128	19994.74(5)	87(10)			4158	19968.17(3)	167.2(5)	19968.19	
4129	19994.49(3)	219(11)		S- 3E-2B (3-7) Q7	4159	19967.48(5)	6.9(5)		
4130	19993.91(3)	72.4(9)	19993.92	S+ GK-2B (4-4) P4	4160	<b>19965.66(3)</b>	32.3(5)		<b>T+ 4c-2a (4-5) R1</b>

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4161	19964.13(6)	5.7(6)			4191	19937.56(3)	67.1(11)	19937.54	S- 3E-2B (5-10) Q5
4162	19963.62(3)	56.5(6)			4192	19936.88(3)	207.2(11)	19936.91	S+ GK-2B (5-5) R2
4163	19963.06(6)	6.1(6)			4193	19934.91(4)	31.1(11)		
4164	19962.02(3)	141.4(5)	19962.04		4194	19934.20(5)	72(8)		
4165	19961.33(6)	4.7(5)			4195	19933.90(3)	599(7)	19933.88	
4166	19960.63(3)	66.4(9)			4196	19933.36(4)	74.2(17)		
4167	19960.21(3)	132.5(9)	19960.22		4197	<b>19930.44(3)</b>	112.8(16)		<b>T+ 4c-2a (3-4) P4</b>
4168	19959.48(5)	6.4(5)			4198	19929.95(3)	295.4(16)	19930.00	S+ GK-2B (5-5) R1
4169	19958.80(3)	97.2(5)	19958.78		4199	19929.27(3)	76.4(11)		
4170	19956.64(5)	8.0(5)			4200	19928.60(5)	18.8(11)		
4171	<b>19956.09(3)</b>	62.0(5)	19956.08	<b>T+ 4b-2a (2-2) P2</b>	4201	19927.06(6)	9.9(10)		
4172	19955.22(5)	5.7(5)			4202	19926.01(3)	202.6(5)	19926.04	S+ GK-2B (1-2) R10
4173	19954.47(7)	3.5(5)			4203	19925.20(7)	8.2(11)		
4174	19953.64(3)	334.5(6)	19953.62	S+ GK-2B (5-5) R3	4204	19924.37(3)	268.3(5)	19924.41	
4175	19953.04(4)	22.5(6)			4205	19923.64(3)	126.8(7)	19923.60	S+ GK-2B (5-5) R0
4176	19952.51(3)	33.9(6)			4206	19923.18(5)	9.1(7)		
4177	19951.85(4)	15.5(5)			4207	19922.00(4)	8.7(4)		
4178	19951.18(6)	4.6(5)			4208	19921.26(3)	29.1(4)		
4179	19950.53(6)	6.9(8)			4209	19920.02(6)	4.4(4)		
4180	19949.63(3)	185.7(8)	19949.62	S+ 3E-2B (0-2) P6	4210	19918.93(4)	12.6(4)		
4181	19948.83(5)	10.1(8)			4211	19917.74(6)	4.7(4)		
4182	19947.81(3)	51.2(8)			4212	19917.00(4)	10.5(5)		
4183	19946.91(6)	7.1(8)			4213	19916.41(5)	7.6(5)		
4184	19944.30(6)	8.2(9)			4214	19915.61(4)	24.4(13)		
4185	19943.67(3)	219.0(9)	19943.64	S- 3E-2B (0-2) Q6	4215	19915.26(3)	74.7(13)	19915.28	
4186	<b>19942.53(3)</b>	40.8(8)		<b>T+ 4c-2a (4-5) R0</b>	4216	19914.30(7)	9.2(16)		
4187	19941.14(5)	11.7(9)			4217	<b>19913.98(3)</b>	50.8(16)		<b>T+ 4b-2a (2-2) P3</b>
4188	19940.34(3)	147.5(10)	19940.34	S- 3E-2B (3-7) Q6	4218	19912.71(3)	93.5(5)	19912.70	
4189	19939.63(5)	15.1(9)			4219	19912.07(3)	38.9(5)		
4190	19938.21(5)	19.4(11)			4220	19911.53(4)	10.7(5)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4221	19910.72(4)	18.9(4)			4250	<b>19890.47(3)</b>	119.8(7)	19890.46	<b>T- 4c-2a (4-5) Q4</b>
4222	19909.94(4)	28.4(7)			4251	19889.72(3)	35.9(7)		
4223	19909.48(4)	32.3(6)			4252	19888.88(3)	48.3(8)		S+ GK-2B (6-6) R4
4224	19908.83(4)	84(11)	19908.81		4253	19888.28(3)	138.1(8)	19888.31	
4225	19908.64(5)	42(11)			4254	19887.66(5)	12.5(7)		
4226	19907.68(4)	19.0(5)			4255	19884.145(18)	30.9(6)		
4227	19907.04(3)	39.4(5)			4256	19883.60(3)	15.1(6)		
4228	19906.15(5)	14.2(18)			4257	19882.981(19)	22.2(5)		S+ WZ-2B (0-7) R2
4229	19905.80(4)	72.6(13)	19905.79	S+ 3E-2B (0-2) R1	4258	19881.889(13)	77.0(5)		
4230	19905.37(6)	10.1(11)			4259	19880.73(2)	16.9(5)		
4231	19903.99(5)	8.2(7)			4260	19880.034(12)	195.2(6)	19880.04	S+ GK-2B (6-6) R3
4232	19903.10(3)	37.0(7)	19903.05		4261	19879.33(3)	11.9(5)		
4233	19902.17(5)	17.5(14)			4262	19878.32(7)	2.6(5)		
4234	19901.69(8)	24(5)			4263	<b>19877.46(3)</b>	28(3)		<b>T- 4c-2a (4-5) Q5</b>
4235	19901.36(5)	53(4)			4264	19877.173(13)	281(4)		
4236	<b>19900.89(4)</b>	61.4(15)		<b>T- 4c-2a (4-5) Q3</b>	4265	19875.493(17)	29.6(6)		
4237	19900.09(3)	551.2(9)	19900.06	S- 3E-2B (0-2) Q5	4266	19873.896(17)	36.6(7)		
				S- 3E-2B (5-10) Q4	4267	19873.313(19)	73(2)		S+ GK-2B (5-5) P2
4238	19899.31(4)	14.7(7)			4268	19872.99(3)	31(2)		
4239	19898.62(4)	26.6(7)			4269	19872.221(12)	161.8(6)	19872.24	
4240	19897.82(3)	36.2(7)			4270	19870.176(13)	74.5(6)		S- 3E-2B (5-10) Q3
4241	19897.11(3)	506(4)	19897.10	S+ 3E-2B (0-2) P5	4271	19869.367(13)	114.6(7)	19869.38	
4242	19896.82(3)	151(4)		S+ GK-2B (5-5) P1	4272	19868.882(14)	75.0(7)		S+ GK-2B (6-6) R2
4243	19896.22(5)	16.2(8)			4273	19867.712(17)	28.6(6)		
4244	<b>19895.51(4)</b>	34.8(7)		<b>T+ 3c-2a (2-0) R2</b>	4274	<b>19866.624(14)</b>	98.9(8)		<b>T+ 4b-2a (2-2) P4</b>
4245	19894.90(5)	10.5(7)			4275	19866.16(2)	22.1(8)		
4246	19894.12(3)	308.4(8)	19894.12	S- 3E-2B (3-7) Q5	4276	19865.247(12)	237.3(7)	19865.23	S- 3E-2B (0-2) Q4
4247	19893.34(4)	25.5(8)			4277	19864.71(5)	6.5(7)		
4248	19892.81(3)	47.7(8)			4278	19863.25(3)	12.3(7)		
4249	19891.40(4)	27.5(7)			4279	19862.73(4)	9.1(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4280	<b>19861.878(13)</b>	87.9(6)	19861.87	<b>T- 4c-2a (4-5) Q6</b>	4310	19838.702(19)	452.3(11)	19838.73	S- 3E-2B (0-2) Q3
4281	19860.75(2)	20.6(9)			4311	19838.01(4)	14.1(9)		
4282	19860.30(6)	7.2(8)			4312	19836.94(4)	11.0(8)		
4283	19859.69(5)	6.8(6)			4313	19835.43(5)	8.7(9)		
4284	19859.000(14)	147.7(17)	19859.01	S+ GK-2B (6-6) R1	4314	19834.84(5)	10.5(9)		
4285	<b>19858.60(3)</b>	36.7(13)		<b>T+ 4c-2a (4-5) P2</b>	4315	19832.94(2)	56.1(8)	19832.92	S- 3E-2B (5-10) Q1
4286	19858.22(4)	17.1(18)			4316	19832.01(2)	81.2(8)	19832.03	
4287	<b>19857.35(3)</b>	16.9(8)		<b>T+ 3c-2a (2-0) R0</b>	4317	19830.38(4)	13.6(8)		
4288	19856.833(17)	102.5(17)			4318	19828.50(3)	17.9(5)		
4289	19856.47(6)	9.2(19)			4319	19827.62(3)	12.3(5)		
4290	19855.816(12)	166.0(6)	19855.82	S- 3E-2B (3-7) Q4	4320	19826.70(3)	23.1(6)		
4291	19855.17(3)	10.6(6)			4321	<b>19826.10(3)</b>	21.7(6)		<b>T+ 4c-2a (4-5) P3</b>
4292	19854.367(16)	58.0(8)			4322	19825.31(2)	313.0(8)	19825.32	S- 3E-2B (3-7) Q3
4293	19853.818(12)	515.5(9)	19853.80	S+ GK-2B (1-2) R9	4323	19824.79(4)	10.4(7)		
4294	19853.14(5)	4.9(6)			4324	19823.60(2)	92.6(6)		
4295	19852.30(2)	17.0(6)			4325	19822.76(3)	17.5(6)		S+ 3F-2B (2-6) P5
4296	19851.313(12)	154.0(6)	19851.30	S+ 3E-2B (0-2) P4	4326	19822.22(2)	55.7(6)		
4297	19848.301(19)	36.6(9)			4327	19821.53(4)	8.3(6)		
4298	19847.852(19)	40.7(9)		S- 3E-2B (5-10) Q2	4328	19820.96(2)	57.1(6)		
4299	19847.171(12)	231.1(6)	19847.17		4329	19820.26(2)	85.8(9)		S+ GK-2B (5-5) P4
4300	19846.339(13)	186.4(12)	19846.34	S+ GK-2B (5-5) P3	4330	19819.84(2)	180.2(10)	19819.83	S- 3E-2B (0-2) Q2
4301	19845.921(19)	54.1(11)			4331	19818.15(3)	13.6(5)		
4302	19845.25(3)	40(4)		S+ GK-2B (6-6) R0	4332	19816.83(3)	24.2(5)		S+ 3E-2B (3-7) R0
4303	19844.93(3)	60(3)		S+ 3E-2B (0-2) R0	4333	19815.80(3)	20.1(5)		
4304	19844.52(3)	44(2)			4334	19815.01(5)	6.6(6)		
4305	19843.926(17)	51.7(7)			4335	19814.40(2)	266.7(16)	19814.41	S+ 3E-2B (0-2) P3
4306	<b>19843.382(17)</b>	40.4(7)		<b>T- 4c-2a (4-5) Q7</b>	4336	19814.02(2)	89.9(14)		
4307	19842.36(2)	33.1(7)			4337	19813.48(3)	16.8(7)		
4308	19841.43(4)	12.8(8)		S+ 3F-2B (2-6) R1	4338	19812.84(2)	35.0(6)		
4309	19839.50(3)	25.6(8)			4339	19812.09(3)	30.2(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4340	<b>19811.62(2)</b>	46.7(7)		<b>T- 3c-2a (2-0) Q2</b>	4368	19786.17(3)	27.5(5)		
				S- 4E-2C (2-1) R4	4369	19785.60(7)	3.4(5)		
4341	19810.39(4)	6.5(5)			4370	19784.86(2)	63.9(5)		
4342	19809.38(2)	40.6(5)			4371	19783.64(4)	8.9(5)		
4343	19807.860(19)	223.4(5)	19807.87	S- 3E-2B (0-2) Q1	4372	19783.03(3)	61.6(17)		
4344	19807.06(2)	70.6(5)			4373	19782.71(2)	132.6(18)	19782.71	
4345	19806.06(4)	6.6(5)			4374	<b>19781.71(2)</b>	154.2(6)	19781.67	T- 3c-2a (7-4) Q3
4346	19805.30(3)	11.9(5)			4375	19781.13(5)	7.1(6)		
4347	19804.459(19)	252.5(6)	19804.44	S+ GK-2B (5-5) P5	4376	19779.50(2)	174.3(6)	19779.53	S+ 3E-2B (3-7) P3
4348	<b>19803.32(2)</b>	35.3(5)		<b>T+ 4c-2a (5-6) R0</b>	4377	19778.61(3)	13.3(5)		
4349	19802.61(2)	126.0(5)	19802.61	S- 3E-2B (3-7) Q2	4378	19777.61(2)	235.0(6)	19777.63	S+ GK-2B (6-6) P3
4350	19801.79(3)	11.2(5)							S+ GK-2B (2-3) R3
4351	19801.19(3)	20.2(6)			4379	19776.58(4)	19.5(19)		
4352	<b>19800.59(3)</b>	20.8(5)		<b>T- 3c-2a (7-4) Q2</b>	4380	<b>19776.27(3)</b>	40.7(19)		<b>T- 4c-2a (5-6) Q1</b>
4353	19799.64(4)	7.4(5)			4381	19774.88(3)	28.6(7)		
4354	19798.94(2)	60.9(5)	19798.92		4382	19774.39(2)	179.1(9)		
4355	19797.82(3)	11.2(5)			4383	19773.94(5)	8.3(9)		
4356	19796.21(2)	81.8(5)	19796.21	S+ GK-2B (6-6) P2	4384	19772.49(3)	31.9(5)		S+ WZ-2B (0-7) P4
4357	<b>19793.87(3)</b>	28.5(4)		<b>T- 3c-2a (2-0) Q3</b>	4385	19771.36(4)	24(3)		
4358	19793.10(3)	17.6(4)			4386	<b>19771.08(3)</b>	76(3)		<b>T- 4c-2a (5-6) Q2</b>
4359	<b>19791.85(2)</b>	48.4(5)		<b>T+ 4c-2a (4-5) P4</b>	4387	<b>19770.43(2)</b>	81.0(6)		<b>T- 3c-2a (2-0) Q4</b>
4360	19791.15(6)	4.7(6)			4388	19769.71(3)	41.7(6)		
4361	19790.65(3)	16.4(6)			4389	19769.17(2)	59.8(6)		S+ 3E-2B (3-7) P2
4362	19789.88(2)	422.6(5)	19789.89	S+ 3E-2B (0-2) P2	4390	19768.47(5)	5.0(5)		
				S+ GK-2B (1-2) R8	4391	19767.15(3)	24.3(5)		
4363	19788.96(2)	105.0(9)			4392	19766.46(2)	107.6(5)		
4364	19788.51(6)	12.3(10)			4393	19765.40(2)	113.5(5)	19765.39	S+ GK-2B (7-7) R3
4365	19788.11(3)	30.5(12)			4394	<b>19763.33(2)</b>	59.2(5)		<b>T- 4c-2a (5-6) Q3</b>
4366	19787.49(2)	226.6(5)	19787.52	S- 3E-2B (3-7) Q1	4395	19762.58(3)	24.1(5)		
4367	19786.70(5)	6.2(5)			4396	19761.18(3)	40.4(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4397	19760.57(4)	12.9(7)			4425	19738.12(2)	30.6(6)		
4398	19760.09(4)	13.0(7)			4426	19737.09(5)	4.8(6)		
4399	19758.42(5)	5.9(6)			4427	19736.46(2)	42.1(6)		
4400	19757.47(6)	6.2(7)			4428	19735.39(4)	10.0(6)		
4401	19756.79(2)	205.0(10)	19756.81		4429	19734.757(17)	1062.4(16)	19734.78	S+ GK-2B (6-6) P5
4402	19756.32(3)	27.0(10)							S+ GK-2B (1-2) R7
4403	<b>19755.41(2)</b>	142.1(7)	19755.38	<b>T+ 4c-2a (4-5) P5</b>	4430	19734.24(3)	28.6(12)		
				S+ GK-2B (6-6) P4	4431	19732.74(3)	12.9(8)		
4404	19754.67(7)	4.8(6)			4432	19731.440(19)	101.5(8)	19731.42	
4405	19753.85(5)	8.9(7)			4433	19730.641(19)	97.1(8)	19730.64	
4406	19753.26(3)	90.0(10)	19753.24		4434	19729.71(3)	20.3(8)		
4407	19752.80(3)	29.3(11)			4435	19728.829(19)	122.0(8)	19728.86	S+ 3E-2B (1-4) R3
4408	19751.20(3)	24.0(6)							S+ EF-2B (32-5) R1
4409	19750.47(2)	91.6(7)			4436	19727.45(3)	13.2(8)		
4410	19749.62(3)	15.1(6)			4437	19725.42(2)	86.4(8)		
4411	19748.75(3)	12.1(6)			4438	19724.756(18)	152.8(8)	19724.73	S+ GK-2B (7-7) R2
4412	19747.98(2)	111.4(6)	19747.98		4439	19723.59(2)	46.7(8)	19723.58	
4413	19746.58(6)	3.7(5)			4440	<b>19722.50(3)</b>	12.8(8)		<b>T+ 4c-2a (5-6) P2</b>
4414	19744.91(2)	54.2(9)	19744.88		4441	19721.433(18)	170.3(8)	19721.45	
4415	19744.46(7)	6.3(8)			4442	19720.86(5)	7.9(8)		
4416	19743.927(19)	119.7(7)	19743.93		4443	19719.73(3)	24.6(8)		S+ EF-2B (32-5) R0
4417	19743.218(19)	94.4(6)			4444	<b>19717.30(2)</b>	49.9(8)	19717.28	<b>T+ 4c-2a (4-5) P6</b>
4418	19742.23(2)	126(8)	19742.21		4445	19715.87(2)	74.7(9)		
4419	19742.03(4)	36(8)			4446	19715.32(2)	82.1(9)		S+ GK-2B (7-7) R0
4420	19741.17(2)	52.4(7)			4447	19714.749(18)	306.6(12)	19714.77	S+ GK-2B (7-7) R1
4421	<b>19740.644(18)</b>	440.8(11)	19740.64	<b>T- 4c-2a (5-6) Q5</b>	4448	19714.31(3)	37.7(13)		
				S- 3E-2B (1-4) Q7	4449	19712.475(19)	101.4(6)	19712.48	
4422	19740.18(2)	48.8(9)			4450	19711.84(3)	17.9(6)		
4423	19739.62(6)	4.7(6)			4451	19710.74(4)	9.5(6)		
4424	19738.818(17)	244.0(6)	19738.83		4452	19709.53(6)	4.5(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4453	19708.04(2)	26.4(6)			4483	19679.054(19)	15.3(5)		
4454	19707.02(3)	17.0(6)			4484	19678.373(8)	442.7(6)	19678.38	
4455	19706.34(2)	68.5(6)	19706.33		4485	19677.836(8)	413.1(6)	19677.85	
4456	19703.04(3)	11.1(7)			4486	19676.91(4)	11.1(13)		
4457	19700.461(17)	26.8(8)			4487	19676.55(3)	14.1(12)		
4458	19699.84(5)	6.2(8)			4488	19675.88(2)	12.2(5)		
4459	19699.097(15)	40.2(8)	19699.09		4489	19675.09(3)	6.6(5)		
4460	19698.501(11)	78.8(8)	19698.50		4490	19674.43(5)	4.1(5)		
4461	19696.75(2)	13.4(7)			4491	19673.81(4)	7.2(6)		
4462	19695.714(15)	30.2(7)			4492	19673.26(2)	45(2)		
4463	19694.79(2)	17.2(7)			4493	19672.971(11)	161(3)	19672.97	
4464	19693.296(16)	25.7(7)			4494	19672.119(17)	17.2(5)		
4465	19691.569(13)	89.1(8)			4495	19671.31(2)	11.6(5)		
4466	19691.083(14)	60.2(9)			4496	19670.28(3)	5.9(5)		
4467	19690.06(2)	36.7(18)			4497	19669.569(12)	82.2(11)	19669.56	S+ 3E-2B (1-4) R2
4468	19689.74(2)	29(2)			4498	19668.970(15)	22.4(5)		
4469	19688.94(2)	13.4(6)			4499	19667.670(15)	42.8(10)		S+ GK-2B (7-7) P2
4470	19688.426(8)	464.6(8)	19688.43	S+ GK-2B (1-2) R6	4500	19666.44(2)	31.2(13)		
4471	19687.864(14)	39.7(6)			4501	19665.947(17)	49.3(13)		
4472	19687.32(2)	15.1(6)			4502	19664.66(2)	18.5(10)		
4473	19686.57(3)	8.3(5)			4503	19663.432(11)	109.9(11)		S 3A-2B (2-7) R2
4474	19685.778(9)	234.7(6)	19685.78	S- 3E-2B (1-4) Q6	4504	19662.802(10)	172.4(11)	19662.79	
4475	19685.20(2)	12.1(6)			4505	19661.988(15)	44.2(10)		
4476	19683.456(13)	34.1(5)			4506	19658.474(12)	106.3(16)	19658.47	
4477	19682.784(9)	112.7(5)	19682.78		4507	19658.026(12)	116.7(15)	19658.01	
4478	19681.77(5)	6.0(9)			4508	<b>19657.259(16)</b>	40.3(10)	19657.26	<b>T+ 4c-2a (5-6) P4</b>
4479	19681.34(2)	25.4(8)			4509	19653.839(19)	198.4(12)	19653.86	S 3A-2B (3-9) R5
4480	19680.82(2)	38.2(14)			4510	19651.98(3)	170.1(13)	19652.00	S- 3E-2B (4-9) Q7
4481	19680.47(5)	9.9(16)			4511	19651.16(3)	871.5(15)	19651.19	S+ GK-2B (2-3) P4
4482	19679.785(9)	243.1(6)	19679.79						S+ GK-2B (1-2) R5



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4512	19650.42(5)	14.6(13)			4542	19624.89(5)	8.7(6)		
4513	19648.60(5)	14.1(13)			4543	19624.03(5)	9.4(7)		S+ GK-2B (7-7) P5
4514	19647.51(3)	95.1(13)	19647.53		4544	19623.46(6)	9.1(9)		S+ 3F-2B (3-8) P5
4515	19645.15(3)	311.5(8)	19645.15	S+ EF-2B (32-5) P3	4545	19622.67(3)	406.4(7)	19622.64	S+ GK-2B (1-2) R4
4516	19644.54(5)	21.8(13)			4546	19621.87(4)	15.2(7)		
4517	19643.94(6)	7.8(7)			4547	<b>19621.33(3)</b>	81.1(8)	19621.30	<b>T+ 4c-2a (5-6) P5</b>
4518	<b>19643.40(4)</b>	22.7(7)		<b>T- 4c-2a (6-7) Q1</b>	4548	19620.82(3)	94.8(19)	19620.79	S+ 3E-2B (1-4) P6
4519	19642.60(3)	24.1(6)			4549	19620.45(4)	45.2(18)		
4520	19641.87(6)	5.9(6)			4550	19619.97(5)	13.5(9)		
4521	19641.11(6)	5.3(6)			4551	19619.39(6)	7.4(7)		
4522	19640.20(3)	41.9(10)			4552	19618.78(11)	5.8(16)		
4523	19639.73(3)	503.9(11)	19639.72	S- 3E-2B (1-4) Q5	4553	19618.43(4)	29.1(17)		
4524	19639.11(4)	13.3(7)			4554	19617.54(6)	5.9(6)		
4525	<b>19638.42(3)</b>	49.8(6)	19638.42	<b>T- 4c-2a (6-7) Q2</b>	4555	19616.73(4)	14.5(6)		
4526	19637.63(5)	7.9(6)			4556	19616.13(4)	13.8(6)		
4527	19636.63(5)	9.4(7)			4557	19615.03(3)	138.0(6)		
4528	19636.03(4)	27.2(7)			4558	19614.19(3)	28.4(6)		S+ GK-2B (7-7) P4
4529	19635.47(3)	115.7(11)	19635.48	S+ GK-2B (7-7) P3	4559	19613.31(5)	8.9(6)		
4530	19635.06(4)	27.7(12)			4560	19612.28(3)	149.3(9)	19612.27	S+ 3E-2B (1-4) R1
4531	19634.04(5)	10.2(6)			4561	19609.79(2)	269.4(13)	19609.84	
4532	19633.40(4)	13.7(6)			4562	19609.09(4)	30.7(13)		
4533	19632.32(7)	5.3(7)			4563	19608.30(6)	9.9(13)		
4534	19631.79(4)	25.4(7)			4564	19606.80(4)	23.0(13)		
4535	19631.19(4)	11.4(7)			4565	19605.15(5)	14.1(13)		
4536	19630.44(3)	42.1(6)			4566	19604.46(5)	20.9(15)		
4537	19629.49(3)	50.9(6)		S 3A-2B (2-7) R1	4567	19603.93(3)	47.2(15)		
4538	19628.26(4)	13.0(6)			4568	19602.32(2)	936.1(17)	19602.36	S+ GK-2B (1-2) R3
4539	19626.81(3)	28.0(6)							S- 3E-2B (1-4) Q4
4540	19626.17(4)	21.6(8)			4569	19601.55(5)	15.2(13)		
4541	19625.69(5)	10.2(8)			4570	19599.60(4)	22.5(14)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4571	19597.42(3)	90.4(14)	19597.40	S- 3E-2B (4-9) Q6	4600	19567.61(3)	25.1(9)		
4572	19595.68(4)	20.1(14)			4601	19566.32(2)	86.6(7)	19566.34	S+ GK-2B (8-8) R1
4573	19594.80(4)	32.7(14)			4602	19565.70(4)	8.7(5)		S- 5E-2B (0-12) Q1
4574	19593.28(3)	37.9(15)			4603	<b>19565.05(2)</b>	125.1(12)		<b>T+ 3c-2a (3-1) R2</b>
4575	19592.61(4)	28.0(15)			4604	19564.68(3)	72.7(12)		S+ 3E-2B (1-4) R0
4576	19591.64(4)	24.5(15)			4605	19563.99(3)	38.5(5)		S- 3E-2C (5-0) Q5
4577	19591.03(4)	30.7(15)			4606	19563.32(5)	4.9(5)		
4578	19590.22(3)	61.1(15)	19590.21		4607	19562.59(5)	5.7(5)		
4579	19589.45(2)	291.6(15)	19589.43	S+ GK-2B (1-2) R2	4608	19562.06(3)	12.8(5)		
4580	19588.35(4)	20.4(14)			4609	19561.05(4)	12.7(6)		
4581	19586.94(3)	79.3(18)	19586.94	S+ EF-2B (32-5) P5	4610	19560.55(4)	12.8(6)		
4582	19586.44(6)	17.0(18)			4611	19559.95(3)	21.8(6)		
4583	19585.06(4)	22.9(14)			4612	19559.49(5)	7.5(7)		
4584	19583.25(3)	120.9(14)			4613	19557.86(2)	98.3(5)	19557.85	
4585	19582.06(2)	365.6(15)	19582.04	S+ GK-2B (1-2) R1	4614	19556.94(3)	10.8(5)		
4586	19581.29(5)	18.9(14)			4615	19556.15(3)	22.9(5)		S+ GK-2B (8-8) R0
4587	19578.86(3)	75.3(9)							S 3A-2B (2-7) P6
4588	19577.59(6)	8.3(9)			4616	19555.02(5)	6.1(5)		
4589	<b>19576.78(3)</b>	116(8)		T+ 3c-2a (3-1) R4	4617	19554.38(3)	14.0(5)		
				S+ GK-2B (1-2) R0	4618	19553.55(4)	7.5(5)		
4590	<b>19576.55(4)</b>	77(8)		<b>T+ 3c-2a (3-1) R4</b>	4619	19552.84(2)	55.1(6)	19552.82	S 3A-2B (2-7) P4
4591	19575.44(3)	172.9(18)	19575.43	S+ 3E-2B (1-4) P5	4620	19552.32(5)	7.1(6)		
4592	19575.04(3)	55.8(18)	19575.06	S+ GK-2B (8-8) R2	4621	19551.63(2)	191.0(5)	19551.65	S- 3E-2B (1-4) Q2
4593	<b>19574.05(3)</b>	53.8(9)		<b>T+ 3c-2a (3-1) R3</b>	4622	19550.70(2)	217.2(6)	19550.70	S- 3E-2B (4-9) Q5
4594	19573.03(2)	483.0(11)	19573.01	S- 3E-2B (1-4) Q3	4623	19550.07(2)	70.8(8)		
4595	19572.26(5)	10.6(10)			4624	19549.62(2)	247.4(8)		S+ 3E-2B (1-4) P4
4596	19571.54(3)	46.2(9)	19571.55						S+ GK-2B (1-2) P1
4597	19570.33(4)	18.7(10)			4625	19548.97(6)	4.8(5)		
4598	19569.65(4)	23.5(10)			4626	19548.33(4)	8.4(5)		S 3A-2B (2-7) P2
4599	19568.34(5)	9.2(9)			4627	19547.02(4)	17.5(14)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4628	19546.62(3)	48.2(11)			4658	19525.43(2)	47.4(5)	19525.40	
4629	19546.22(3)	61.0(13)			4659	19524.59(3)	16.1(5)		
4630	19545.63(4)	13.1(6)			4660	19523.89(5)	7.0(5)		
4631	19544.80(2)	109.6(6)	19544.80	S 3A-2B (3-9) R3	4661	19523.11(2)	154.1(6)	19523.13	
4632	19544.27(3)	27.0(6)	19544.25		4662	19522.53(3)	36.1(6)		
4633	19543.46(3)	11.3(5)			4663	19521.77(2)	63.3(5)	19521.78	S+ GK-2B (1-2) P2
4634	19542.64(4)	8.5(5)			4664	19520.77(4)	11.3(5)		
4635	19541.86(3)	13.2(5)			4665	19519.97(4)	9.5(4)		
4636	19541.09(3)	18.2(5)			4666	19518.87(3)	19.7(5)	19518.88	
4637	19540.52(3)	14.0(5)			4667	19518.31(5)	6.7(5)		
4638	19539.78(4)	8.7(6)			4668	19517.03(3)	21.2(5)		
4639	19539.23(3)	20.8(6)			4669	19516.50(3)	22.7(5)		
4640	19538.39(4)	11.3(5)			4670	19515.77(6)	5.0(5)		
4641	19537.71(2)	238.2(6)	19537.71	S- 3E-2B (1-4) Q1	4671	19515.24(4)	14.6(5)		
4642	19536.90(2)	160.1(11)	19536.91		4672	19514.46(7)	2.8(4)		
4643	19536.44(3)	190(4)			4673	19513.76(3)	27.1(4)		
4644	19536.16(4)	33(4)			4674	19512.90(3)	50.1(12)	19512.91	S+ 3E-2B (1-4) P2
4645	19535.53(5)	7.9(6)			4675	19512.55(8)	6.0(12)		
4646	19534.83(3)	20.8(5)			4676	19511.81(3)	112.5(5)	19511.85	S- 3E-2B (4-9) Q4
4647	19534.10(3)	60.5(10)			4677	19511.23(4)	11.5(5)		
4648	19533.66(4)	21.4(9)			4678	19510.24(5)	7.3(5)		
4649	19533.15(3)	22.8(7)			4679	19509.68(3)	53.2(5)	19509.70	S+ GK-2B (8-8) P2
4650	19532.33(4)	9.6(5)			4680	19508.92(5)	8.0(5)		
4651	19531.36(5)	6.3(5)			4681	19508.37(3)	41.1(9)		
4652	19530.48(4)	10.3(6)			4682	19507.94(3)	87.0(9)		
4653	19529.89(4)	10.8(6)			4683	19507.54(4)	33.1(11)		
4654	<b>19528.89(2)</b>	56.8(5)	19528.89	<b>T+ 3c-2a (3-1) R0</b>	4684	19506.77(5)	10.1(9)		
4655	19528.06(2)	55.4(5)	19528.07	S+ GK-2B (8-8) P1	4685	19506.37(4)	18.6(9)		
4656	19527.13(5)	5.7(5)			4686	19505.79(4)	10.1(5)		
4657	19526.24(2)	179.2(6)	19526.23	S+ 3E-2B (1-4) P3	4687	19505.00(4)	8.4(5)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4688	19504.31(3)	139.1(5)	19504.32	S+ 3E-2B (4-9) R1	4718	19481.66(4)	23.4(9)	19480.80	S- 3E-2B (4-9) Q3
4689	19503.70(3)	25.3(5)	19503.69		4719	19480.84(3)	232.3(10)		
4690	19502.61(3)	30.2(5)	19502.60		4720	19480.11(5)	13.6(10)		
4691	19502.08(3)	47.8(5)	19502.12		4721	19479.57(5)	15.3(10)		
4692	19501.39(5)	19.7(17)			4722	19477.16(5)	9.9(9)		
4693	19501.07(6)	11.4(17)			4723	19476.20(3)	187.3(9)	19476.22	
4694	19500.43(6)	4.1(5)			4724	19475.13(3)	38.0(9)	19475.11	
4695	19499.11(5)	5.8(5)			4725	19474.22(6)	7.6(9)		
4696	19498.52(3)	21.4(5)			4726	19473.35(3)	56.1(10)	19473.33	
4697	19497.91(3)	56.6(5)	19497.91		4727	19472.80(3)	51.8(10)	19472.78	
4698	19497.15(3)	62.0(5)	19497.14	S 3A-2B (3-9) R2	4728	19471.70(3)	327.0(10)	19471.74	S- 3E-2B (2-6) Q7
4699	19496.47(4)	28.2(10)			4729	19469.97(4)	25.5(7)	19470.00	
4700	19496.09(3)	132.3(10)	19496.05		4730	19469.04(6)	7.4(6)		
4701	19495.42(3)	118.3(5)	19495.46		4731	19468.33(4)	46.7(6)	19468.31	
4702	19494.74(4)	8.1(5)			4732	19467.63(5)	47(3)		
4703	19493.94(3)	36.1(5)	19493.89		4733	<b>19467.28(4)</b>	132(3)	19467.37	
4704	19493.36(3)	76.0(5)	19493.35						
4705	19492.68(3)	52.1(5)	19492.68		4734	19466.32(4)	46.3(6)	19466.28	
4706	19491.86(3)	136.6(5)	19491.84		4735	19465.57(9)	6.3(8)		
4707	19490.64(3)	132(2)	19490.63	S+ GK-2B (1-2) P3	4736	19465.03(8)	6.9(8)		
4708	19490.23(5)	51(2)			4737	19464.01(8)	7.5(8)		
4709	19489.84(8)	13(3)			4738	19463.14(4)	82.1(8)	19463.17	
4710	19489.11(3)	137.2(9)	19489.09		4739	19462.07(4)	73.2(8)	19462.02	S+ GK-2B (1-2) P4
4711	19488.39(4)	15.4(9)			4740	19461.23(8)	10.4(9)		
4712	19487.38(5)	12.2(9)			4741	<b>19460.56(4)</b>	45.5(10)	19460.53	
4713	19485.50(4)	17.0(9)	19485.56						
4714	<b>19484.76(3)</b>	131.6(9)	19484.74	<b>T- 3c-2a (3-1) Q2</b>	4742	19459.13(16)	2.6(7)		
4715	19484.00(4)	52.6(16)			4743	19458.17(5)	42.9(12)	19458.14	
4716	19483.58(4)	51.7(16)			4744	19457.58(4)	105.5(13)	19457.57	S- 3E-2B (4-9) Q2
4717	19482.63(5)	13.3(9)			4745	19456.46(8)	7.2(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	I, counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	I, counts	$\nu_R$ , cm <sup>-1</sup>	Assignment								
4746	19454.76(5)	25.7(8)	19454.00	<b>T- 3c-2a (8-5) Q2</b>	4775	19424.93(2)	50.8(9)	19424.36	S+ GK-2B (1-2) P6								
4747	19453.98(4)	61.0(8)			4776	19424.31(2)	110.1(15)			19422.81							
4748	19452.96(7)	8.5(8)			4777	19423.88(3)	34.9(16)										
4749	19452.10(8)	7.8(8)			4778	19422.78(2)	72.1(8)										
4750	19450.98(5)	19.0(7)			4779	19421.87(5)	8.5(8)										
4751	19450.04(5)	29.7(8)			4780	19420.54(2)	159.7(7)				19420.55						
4752	19449.17(7)	9.4(8)			4781	19419.61(2)	65.8(8)		19419.61			S+ GK-2B (1-2) P7					
4753	<b>19448.12(5)</b>	25.9(7)			4782	19418.28(4)	8.4(6)										
4754	19446.93(8)	7.1(7)			4783	19417.47(2)	151.1(7)			19417.44							
4755	19445.30(4)	141.9(8)	19445.32	4784	19416.82(4)	9.5(7)	<b>T- 3c-2a (3-1) Q5</b>										
4756	<b>19444.52(4)</b>	144.7(8)	19444.52	4785	<b>19416.03(2)</b>	85.8(8)		S- 3E-2B (2-6) Q6									
4757	19443.38(7)	19.0(16)	19442.08	4786	19415.54(2)	189.5(9)			19415.54	S 3A-2B (3-9) P1							
4758	19442.44(5)	49(3)		4787	19414.49(3)	25.2(6)	19414.48										
4759	19442.06(4)	114(3)		S- 3E-2B (4-9) Q1	4788	19413.76(4)		8.9(6)			19413.02						
4760	19441.21(7)	10.2(10)	4789	19413.03(2)	33.2(6)	19412.10											
4761	19440.69(5)	23.4(10)	19440.72	4790	19412.12(2)		35.7(6)	19412.10									
4762	19439.51(3)	75.0(7)	19439.47	4791	19411.44(3)		25.3(8)		19410.35								
4763	19438.87(6)	9.3(10)	19438.29	4792	19410.91(3)	26.6(8)	S- 4E-2B (0-9) Q5										
4764	19438.29(2)	275.4(11)		S+ GK-2B (1-2) P9	4793	19410.37(2)		50.2(8)		S 3A-2B (3-9) P5							
				S+ 3E-2B (2-6) R3													
4765	19436.30(5)	8.2(8)	19435.49	4794	19409.20(5)	5.6(6)	19410.35	S- 4E-2B (0-9) Q5									
4766	19435.51(2)	43.7(8)		S 3A-2B (3-9) R0	4795	19408.18(6)			4.7(6)	19410.35							
4767	19434.59(5)	8.1(8)		4796	19406.53(4)	12.0(6)			19410.35								
4768	19432.97(3)	21.9(8)		4797	19405.78(3)	49(2)					19410.35						
4769	19432.25(4)	12.3(8)		4798	19405.41(4)	48.6(18)						19410.35					
4770	<b>19431.62(3)</b>	37.1(8)		19431.63	4799	19404.96(2)							63.2(13)	19410.35			
4771	19430.70(3)	37.9(8)		<b>T+ 3c-2a (3-1) P2</b>	4800	19403.27(4)							8.1(6)		19410.35		
4772	<b>19429.60(2)</b>	214.0(8)			19429.59	4801							19402.52(5)			5.5(6)	19410.35
4773	19427.61(3)	35.2(8)			19427.62	4802							19401.45(4)			7.5(6)	
4774	19426.85(2)	59.6(8)	19426.86	4803	19400.42(4)	9.6(6)	19410.35										

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4804	19399.57(2)	62.2(6)	19399.56		4834	<b>19374.20(2)</b>	34.5(9)	19374.17	<b>T- 3c-2a (8-5) Q5</b>
4805	19398.82(5)	5.6(6)			4835	19373.454(15)	240.1(9)	19373.45	
4806	19398.76(5)	5.1(5)			4836	19372.71(4)	10.4(9)		
4807	19397.66(5)	4.9(5)			4837	19371.36(2)	34.4(9)		
4808	19396.35(4)	11.5(7)			4838	19370.320(17)	83.2(9)		
4809	19395.83(3)	25.2(7)	19395.82		4839	19369.29(3)	13.2(9)		
4810	19395.00(5)	6.6(6)			4840	19368.52(3)	18.3(9)		
4811	19394.41(5)	6.5(6)			4841	19367.869(15)	465.8(12)	19367.88	S- 3E-2B (2-6) Q5
4812	19393.56(2)	73.7(6)			4842	19367.28(3)	22.8(10)		
4813	19392.19(3)	10.8(5)			4843	19366.72(4)	11.8(10)		
4814	19390.93(5)	18(2)			4844	19366.11(6)	7.6(10)		
4815	19390.60(5)	14(2)			4845	19365.50(6)	6.8(9)		
4816	19389.71(3)	12.0(5)			4846	19364.64(4)	9.1(9)		
4817	19388.84(3)	14.3(6)			4847	19362.61(4)	12.9(9)		
4818	<b>19388.20(3)</b>	29.8(10)		<b>T+ 3c-2a (3-1) P3</b>	4848	19361.95(3)	18.7(9)		
4819	19387.75(2)	116.9(11)			4849	19361.22(2)	38.2(9)		
4820	19386.65(6)	4.5(5)			4850	19360.319(16)	134.6(9)	19360.31	
4821	19385.15(4)	9.4(8)		S 3A-2B (3-9) P3	4851	19359.12(3)	17.4(9)		
4822	19383.95(2)	29.9(10)			4852	19357.98(2)	44.2(9)		
4823	19382.64(3)	26.0(16)			4853	19356.80(4)	8.9(9)		
4824	<b>19382.15(2)</b>	187(6)		T- 3c-2a (3-1) Q6	4854	19356.06(3)	14.6(9)		
4825	19381.86(3)	87(7)			4855	19355.12(5)	6.8(9)		
4826	19380.71(3)	21.4(11)			4856	19354.20(3)	27.3(9)		
4827	19379.991(19)	62.7(11)	19380.00		4857	19353.577(18)	70.3(9)		
4828	19378.31(4)	16.3(11)			4858	19352.80(2)	28.0(9)	19352.81	S- 3E-2B (6-12) Q1
4829	19377.74(3)	22.3(11)			4859	19352.06(4)	11.0(9)		
4830	19377.01(5)	11.0(11)			4860	19351.35(6)	7.6(9)		
4831	19376.41(4)	14.2(11)			4861	19350.69(6)	6.5(9)		
4832	19375.69(2)	40.9(11)			4862	19349.803(16)	242(2)	19349.79	S+ GK-2B (9-9) R3
4833	19374.999(15)	386.7(10)	19375.00		4863	19349.40(2)	99.2(18)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4864	19348.792(16)	146.3(10)	19348.82	S+ GK-2B (9-9) R2					S+ EF-2B (29-4) P2
4865	19347.776(15)	172.8(9)	19347.78		4894	19323.09(3)	15.9(7)		
4866	19346.96(3)	16.6(9)			4895	19322.47(4)	11.8(7)		
4867	19345.99(5)	8.5(9)			4896	19321.38(5)	7.2(7)		
4868	19345.146(15)	175.8(9)	19345.15	S+ GK-2B (9-9) R1	4897	19320.61(3)	25.6(7)		
4869	19343.73(3)	14.9(9)			4898	19319.28(2)	209.7(7)	19319.26	S+ GK-2B (3-4) R5
4870	19342.71(2)	62.3(8)	19342.71		4899	19317.92(3)	19.6(7)		
4871	19340.95(2)	221.2(8)	19340.95		4900	19316.16(3)	17.7(7)		
4872	19340.29(5)	7.7(8)			4901	19315.56(3)	35.0(7)		
4873	<b>19339.57(2)</b>	80.4(8)	19339.59	<b>T+ 3c-2a (3-1) P4</b>	4902	19314.79(7)	4.0(7)		
4874	19338.58(3)	44.0(8)	19338.55		4903	19314.02(4)	10.0(7)		
4875	<b>19337.76(2)</b>	115.3(8)	19337.74	<b>T- 3c-2a (8-5) Q6</b>	4904	19313.12(4)	9.6(7)		
4876	19337.00(3)	52.2(13)	19336.97	S+ GK-2B (9-9) R0	4905	19312.09(2)	60.4(7)	19312.08	
4877	19336.58(4)	18.5(13)			4906	19311.21(5)	7.0(7)		
4878	19335.39(6)	5.6(8)			4907	19310.39(4)	11.8(7)		S- 3E-2C (5-0) P7
4879	19334.53(2)	83.5(11)	19334.57		4908	19309.74(3)	69(4)		
4880	19334.06(2)	89.0(11)	19334.07		4909	19309.45(2)	153(3)	19309.49	S+ GK-2B (9-9) P1
4881	19333.18(4)	13.6(8)			4910	19308.86(5)	9.7(8)		
4882	19332.47(4)	18.5(8)	19332.49		4911	19307.31(5)	6.2(7)		
4883	19331.89(3)	25.7(8)	19331.90		4912	19306.67(3)	14.1(7)		
4884	19331.08(3)	28.1(8)	19331.07		4913	19305.56(3)	17.9(6)	19305.58	
4885	19330.47(3)	54.6(8)	19330.43		4914	19304.78(3)	17.5(6)	19304.76	
4886	19329.81(2)	160.9(7)	19329.81	S+ 3E-2B (2-6) R1	4915	19304.01(3)	26.5(6)	19304.03	
4887	19329.15(4)	15.0(9)			4916	19302.65(5)	6.5(6)		
4888	19328.64(2)	245.9(10)	19328.65	S- 3E-2B (2-6) Q4	4917	19301.45(3)	16.7(6)		
4889	19328.00(5)	7.8(7)			4918	19299.98(3)	16.1(6)		
4890	19327.38(4)	9.0(7)			4919	19299.30(4)	12.8(6)		
4891	19325.87(7)	4.3(7)			4920	19298.20(2)	101.6(7)	19298.19	
4892	19324.52(6)	6.9(8)			4921	19297.62(2)	390.1(9)	19297.61	S- 3E-2B (2-6) Q3
4893	19323.96(2)	156.8(8)	19323.95	S- 3E-2B (3-8) Q9	4922	19296.64(3)	15.9(6)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
4923	19295.37(3)	14.2(6)			4953	19266.98(4)	7.5(6)		
4924	19294.47(2)	43.5(9)	19294.47		4954	19266.26(3)	12.8(6)		
4925	19294.04(3)	23.7(9)			4955	19265.03(3)	13.9(6)		
4926	19293.031(15)	119.1(7)	19293.04	S+ 3E-2B (2-6) P5	4956	19264.02(5)	5.1(6)		
4927	19292.49(2)	21.8(7)			4957	19262.97(5)	5.5(6)		
4928	19291.680(18)	37.1(6)	19291.67	S+ GK-2B (9-9) P2	4958	19262.28(3)	13.6(6)		
4929	19288.63(2)	25.0(6)			4959	19261.49(4)	9.2(6)		
4930	19286.31(3)	11.7(6)			4960	19260.81(2)	34.4(9)		
4931	<b>19285.684(18)</b>	54.1(8)	19285.68	<b>T+ 3c-2a (3-1) P5</b>	4961	19260.35(4)	10.1(10)		
4932	19285.173(18)	62.7(8)			4962	19259.449(14)	226.1(9)	19259.44	S- 3E-2B (2-6) Q1
4933	19284.51(3)	10.0(7)			4963	19258.698(14)	242.5(9)	19258.69	S+ GK-2B (3-4) R3
4934	19283.51(3)	12.5(6)			4964	19257.709(15)	129.7(6)	19257.69	
4935	19282.79(3)	14.3(9)			4965	19256.92(4)	6.6(6)		
4936	19282.34(2)	39.8(9)	19282.35	S+ GK-2B (3-4) R4	4966	<b>19255.793(15)</b>	130.6(6)	19255.79	<b>T+ 3c-2a (4-2) R4</b>
4937	19281.47(6)	4.3(6)			4967	19254.98(2)	24.8(6)		
4938	19280.53(6)	3.7(6)			4968	19253.87(2)	82.8(7)	19253.86	
4939	19278.95(4)	12.9(10)			4969	<b>19252.95(3)</b>	79.8(9)	19252.95	<b>T+ 3c-2a (4-2) R3</b>
4940	19278.49(4)	16.2(10)			4970	<b>19252.37(3)</b>	61.3(9)	19252.38	<b>T+ 3c-2a (4-2) R5</b>
4941	19278.06(4)	13.5(11)			4971	19251.43(4)	11.9(9)		
4942	19277.16(2)	25.1(6)	19277.16		4972	19250.47(2)	126.0(9)	19250.44	
4943	19276.42(3)	13.4(6)			4973	19249.76(5)	11.6(9)		
4944	19275.653(15)	163.0(7)	19275.67		4974	19248.94(2)	228.7(10)	19248.99	S+ GK-2B (0-2) R1
4945	19274.600(15)	154.5(7)	19274.61	S- 3E-2B (2-6) Q2	4975	19248.40(2)	142.9(10)	19248.42	S+ 3E-2B (2-6) P3
4946	19273.384(17)	50.6(7)			4976	19247.70(4)	33.8(13)		
4947	19272.76(2)	27.1(7)	19272.76		4977	19247.26(3)	122.2(14)	19247.24	S+ GK-2B (3-4) R2
4948	19271.62(3)	14.3(6)			4978	19245.53(4)	12.5(9)		
4949	19270.77(4)	8.0(6)			4979	19244.75(7)	6.2(9)		
4950	19269.837(15)	90.1(7)	19269.84	S+ GK-2B (9-9) P3	4980	<b>19244.00(2)</b>	159.4(9)	19244.04	<b>T+ 3c-2a (4-2) R2</b>
4951	19268.724(17)	57.5(6)	19268.73	S+ 3E-2B (2-6) P4	4981	19243.33(3)	86.4(9)		
4952	19267.979(18)	37.2(6)	19267.97		4982	19242.54(5)	10.0(9)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
4983	<b>19241.76(2)</b>	100.8(6)	19241.76	<b>T+ 3c-2a (4-2) R6</b>	5011	19217.89(3)	39.3(6)		
4984	19241.04(3)	25.2(9)	19241.05	S- 4E-2C (5-4) R1	5012	19217.06(4)	16.9(9)		
4985	19240.10(4)	20.7(9)	19240.06		5013	19216.63(4)	15.6(9)		S+ GK-2B (0-2) P1
4986	19239.49(6)	8.5(9)			5014	19215.38(2)	92.1(7)	19215.38	S+ GK-2B (9-9) P5
4987	19238.41(2)	158.9(6)	19238.41	S+ GK-2B (3-4) R1	5015	19214.80(3)	17.7(6)		
4988	19237.56(3)	22.8(6)	19237.57		5016	19213.66(3)	40.2(6)		
4989	19236.23(3)	39.4(7)	19236.25	S+ 3E-2B (2-6) P2	5017	19213.05(4)	11.0(6)		
4990	19235.71(3)	20.2(7)			5018	19212.27(6)	4.6(6)		S+ GK-2B (4-5) R0
4991	19235.03(5)	6.2(6)			5019	19211.51(7)	4.1(6)		
4992	19234.24(3)	31.1(7)			5020	19210.83(6)	5.1(6)		
4993	19233.72(3)	17.0(7)			5021	19210.15(6)	6.6(6)		
4994	19232.94(4)	13.9(6)			5022	19209.55(3)	37.3(7)		
4995	19232.32(4)	10.2(6)			5023	<b>19208.99(2)</b>	103.2(7)	19208.98	<b>T+ 3c-2a (4-2) R0</b>
4996	19231.70(5)	6.0(6)			5024	19208.33(2)	142.1(6)	19208.33	
4997	19230.94(4)	9.8(6)			5025	19207.51(4)	7.9(6)		
4998	<b>19229.32(2)</b>	100.1(8)	19229.32	S+ GK-2B (3-4) R0	5026	19206.67(4)	12.3(6)		
				S+ GK-2B (0-2) R3	5027	19204.85(3)	15.7(6)	19204.87	S+ GK-2B (0-2) R4
				<b>T+ 3c-2a (4-2) R1</b>	5028	19203.51(7)	3.2(6)		
4999	19228.86(3)	30.5(8)			5029	19202.24(4)	10.1(6)		
5000	<b>19228.12(3)</b>	23.5(6)		<b>T+ 3f-2c (1-0) R4</b>	5030	19201.30(5)	6.0(6)		
5001	19227.19(5)	7.0(6)		S+ GK-2B (4-5) R1	5031	19200.40(4)	8.8(6)		
5002	19226.50(2)	95.2(6)	19226.50		5032	19199.72(2)	34.7(6)	19199.74	S+ GK-2B (3-4) P1
5003	19225.63(3)	55.2(6)	19225.62		5033	19198.84(3)	13.9(6)		
5004	19225.09(2)	93.8(6)	19225.05		5034	19197.57(7)	3.3(6)		
5005	19224.38(2)	98.1(6)	19224.36		5035	19196.56(4)	9.0(6)		
5006	19223.56(4)	9.3(6)			5036	19195.77(5)	7.2(8)		
5007	19223.03(3)	17.0(6)	19223.06		5037	19194.73(4)	16.3(9)		
5008	19222.26(3)	13.9(6)	19222.23		5038	19194.05(2)	72.2(9)	19194.07	
5009	19221.38(4)	9.1(6)	19221.41		5039	19193.05(4)	10.7(8)		
5010	19219.66(3)	17.3(6)			5040	<b>19191.41(3)</b>	36.5(13)	19191.43	<b>T+ 3f-2c (1-0) R3</b>

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5041	19190.93(4)	20.8(12)		S+ GK-2B (0-2) P2	5070	19167.55(3)	16.5(7)		
5042	19190.30(4)	11.9(9)			5071	19166.87(3)	22.8(6)		
5043	19189.33(4)	10.5(8)			5072	<b>19166.133(19)</b>	208.4(7)		<b>T- 3c-2a (4-2) Q2</b>
5044	19188.50(2)	79.6(9)			5073	19165.39(4)	9.5(6)		
5045	<b>19187.31(3)</b>	19.7(8)	19187.31	T- 3f-2c (1-0) R3	5074	19164.67(5)	6.0(6)		
5046	19186.10(2)	45.2(8)	19186.06	S+ GK-2B (9-9) P6	5075	19163.85(4)	7.4(6)		
5047	19185.27(2)	261(3)	19185.28	S- 3E-2B (3-8) Q7	5076	19163.08(2)	70.2(6)	19163.10	
5048	19184.89(4)	34(3)			5077	19162.36(4)	12.2(6)		
5049	19183.44(4)	14.4(8)			5078	19161.59(4)	23.7(6)		S+ GK-2B (4-5) P2
5050	19182.72(3)	38.0(9)			5079	19160.94(3)	52.1(6)	19160.95	
5051	19182.04(4)	12.0(9)			5080	19160.12(5)	10.9(7)		
5052	19180.95(3)	19.2(8)	19180.94		5081	19159.58(5)	8.2(7)		
5053	19179.53(2)	45.7(8)	19179.50	S+ GK-2B (4-5) P1	5082	19158.62(3)	25.8(6)	19158.61	S+ 3E-2B (0-3) R3
5054	19178.18(3)	24.2(8)			5083	19157.76(7)	12(2)		S+ GK-2B (0-2) P3
5055	<b>19177.45(2)</b>	100.6(7)		S+ GK-2B (3-4) P2	5084	19157.40(4)	64.6(16)		
				<b>T- 3c-2a (4-2) Q1</b>	5085	19156.99(4)	26.3(17)		
5056	19176.81(5)	10.6(9)			5086	19156.07(3)	72.1(7)	19156.11	
5057	19176.10(3)	38.3(18)			5087	19155.56(5)	13.5(7)		
5058	19175.76(4)	16.6(18)			5088	19154.87(6)	6.1(6)		
5059	19174.47(5)	6.8(6)			5089	<b>19154.13(3)</b>	32.3(6)	19154.14	<b>T- 3f-2c (1-0) R2</b>
5060	19173.84(3)	14.2(6)			5090	19152.36(3)	47.0(8)	19152.37	S+ GK-2B (3-4) P3
5061	19173.075(19)	119.1(6)	19173.09	S- 3E-2B (0-3) Q8	5091	19151.41(4)	15.0(8)	19151.47	
5062	19172.40(3)	20.4(6)			5092	19150.12(5)	11.6(8)		
5063	19171.79(5)	7.2(7)			5093	<b>19149.25(3)</b>	144.6(8)	19149.24	<b>T- 3c-2a (4-2) Q3</b>
5064	19171.17(3)	35.8(14)			5094	19148.32(6)	6.7(8)		
5065	19170.75(2)	168.0(14)	19170.74	S- 3E-2B (5-11) Q5	5095	19147.49(4)	16.3(8)		
5066	19170.36(5)	15.0(18)			5096	19146.12(4)	15.7(8)	19146.13	
5067	19169.48(3)	19.1(6)			5097	19144.11(5)	10.7(8)		
5068	19168.78(3)	15.9(6)			5098	19143.34(5)	10.5(8)		S+ GK-2B (4-5) P3
5069	19168.10(3)	14.6(7)			5099	19141.81(5)	12.5(8)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5100	19139.75(8)	5.1(8)			5130	19115.56(5)	17.5(11)		
5101	19139.09(4)	27.3(8)	19139.06		5131	<b>19115.10(4)</b>	53.2(11)	19115.12	<b>T+ 3c-2a (4-2) P2</b>
5102	19138.34(4)	14.2(8)			5132	19114.05(3)	68.9(8)	19114.07	
5103	19137.60(4)	30.3(17)			5133	19113.43(3)	88.3(8)	19113.43	
5104	19137.22(5)	17.8(18)			5134	19112.43(4)	22.0(8)		
5105	19136.27(5)	9.2(8)			5135	19111.85(4)	24.4(8)		
5106	19135.25(4)	29.7(8)	19135.26		5136	19111.15(3)	63.0(8)	19111.15	
5107	19134.62(3)	241.9(10)	19134.61		5137	19110.51(4)	20.9(8)		
5108	19133.67(4)	26.6(9)	19133.66		5138	19109.72(5)	16.9(11)		S- 4E-2C (5-4) P3
5109	19132.94(5)	11.7(9)			5139	19109.37(6)	9.0(12)		
5110	19132.20(8)	5.2(9)			5140	19108.60(5)	11.0(6)		S+ 3F-2B (3-9) R5
5111	19131.37(3)	42.0(9)	19131.36	S- 3E-2B (5-11) Q4	5141	19108.09(5)	10.3(6)		
5112	19129.26(4)	26.3(9)	19129.27		5142	19106.92(3)	255.9(6)	19106.93	S- 3E-2B (0-3) Q7
5113	19128.47(3)	148.7(9)	19128.44	S- 3E-2B (3-8) Q6	5143	19106.05(4)	10.3(5)		
5114	19127.60(4)	16.2(9)			5144	19105.27(3)	27.0(5)	19105.25	S+ GK-2B (3-4) P5
5115	<b>19126.89(3)</b>	258.5(10)	19126.85	<b>T- 3c-2a (4-2) Q4</b>	5145	19104.61(5)	8.2(6)		
5116	19126.02(5)	11.3(9)			5146	19104.10(5)	10.9(6)		
5117	19125.26(6)	8.5(9)			5147	19103.44(5)	27(3)		
5118	19124.17(4)	17.7(9)	19124.12		5148	19103.14(3)	119(2)		
5119	19123.59(4)	42.1(9)	19123.56		5149	19102.65(6)	7.4(7)		
5120	19122.90(8)	5.3(8)			5150	19101.91(7)	3.6(5)		
5121	19122.16(7)	6.7(8)			5151	19101.01(4)	24.5(14)		
5122	19121.58(3)	69.2(8)	19121.64		5152	19100.67(7)	8.6(13)		
5123	<b>19120.96(3)</b>	51.6(8)	19121.00	<b>T+ 3f-2c (1-0) R1</b>	5153	19100.07(3)	91.2(6)	19100.03	S- 3E-2B (5-11) Q3
5124	19120.25(3)	183.9(8)	19120.27	S+ 3E-2B (0-3) P7	5154	19099.55(6)	7.6(6)		
5125	19119.53(4)	21.9(7)			5155	<b>19099.00(3)</b>	144.1(8)	19099.03	<b>T- 3c-2a (4-2) Q5</b>
5126	19118.48(4)	16.2(7)			5156	19098.58(4)	21.3(8)		
5127	19117.78(5)	12.1(7)			5157	19097.85(4)	40.2(7)	19097.83	
5128	19116.96(4)	25.3(7)			5158	19097.42(6)	8.1(7)		
5129	19116.21(4)	21.5(8)	19116.21	S+ GK-2B (0-2) P4	5159	19096.55(4)	17.7(5)	19096.52	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5160	19094.91(4)	37.6(7)			5190	19072.62(4)	16.2(5)		
5161	19094.49(6)	6.9(7)			5191	19071.76(4)	39(3)		
5162	19093.55(4)	18.1(5)			5192	19071.44(5)	44.7(16)		
5163	19092.68(4)	11.1(5)			5193	<b>19071.09(4)</b>	60(2)	19071.07	<b>T- 3f-2c (1-0) Q6</b>
5164	19091.69(5)	16.6(8)			5194	<b>19070.33(4)</b>	73.2(6)	19070.35	<b>T+ 3f-2c (1-0) Q4</b>
5165	19091.18(5)	13.2(8)							S+ GK-2B (5-6) R0
5166	19090.20(3)	68.9(6)	19090.20		5195	19069.86(4)	25.3(6)		
5167	19089.26(6)	6.1(6)			5196	<b>19069.21(4)</b>	61.5(11)	19069.21	<b>T- 3f-2c (1-0) Q5</b>
5168	19088.48(5)	11.9(6)			5197	19068.37(5)	6.8(5)		
5169	19087.37(3)	135.4(7)	19087.37		5198	19067.67(6)	6.8(6)		
5170	19086.66(5)	11.5(6)			5199	19067.21(6)	8.5(6)		
5171	19085.49(4)	60.7(15)			5200	<b>19066.25(4)</b>	111.5(17)		<b>T- 3f-2c (1-0) Q4</b>
5172	19085.09(4)	79.4(13)	19085.09	S+ GK-2B (5-6) R2					S+ GK-2B (0-2) P5
5173	19084.56(5)	19.6(8)			5201	<b>19065.86(4)</b>	259.0(16)	19065.89	<b>T- 3c-2a (4-2) Q6</b>
5174	19084.00(6)	9.5(7)			5202	19065.42(5)	22.3(14)		
5175	19083.32(7)	7.9(8)			5203	<b>19064.51(5)</b>	18.3(9)		<b>T+ 3f-2c (1-0) Q3</b>
5176	<b>19082.80(4)</b>	41.8(8)	19082.84	<b>T+ 3f-2c (2-1) R5</b>	5204	19064.04(5)	25.1(9)	19064.00	S+ WZ-2B (0-8) R2
5177	19082.31(5)	13.1(9)			5205	<b>19063.01(4)</b>	45.7(8)	19063.08	<b>T- 3f-2c (1-0) Q3</b>
5178	19080.89(4)	27.9(13)	19080.83		5206	19062.47(4)	22.9(8)	19062.45	
5179	19080.48(6)	12.8(11)			5207	19061.05(4)	85.7(7)	19061.05	
5180	19079.86(3)	339.7(10)			5208	<b>19060.14(4)</b>	71.6(11)	19060.17	T+ 3f-2c (1-0) Q2
5181	19079.20(3)	47.7(7)			5209	<b>19059.70(4)</b>	46.2(11)	19059.70	<b>T- 3f-2c (1-0) Q2</b>
5182	19078.57(6)	8.2(7)			5210	19058.74(6)	7.2(7)		
5183	19077.93(4)	17.5(7)			5211	19057.58(4)	47.0(7)	19057.65	
5184	19077.25(3)	76.1(7)			5212	19056.53(4)	88.4(8)	19056.52	S+ 3E-2B (0-3) P6
5185	19076.59(4)	37.6(6)			5213	19055.98(5)	19.5(8)		
5186	19075.67(3)	74.2(6)			5214	19055.02(6)	8.6(7)	19054.96	
5187	<b>19074.99(4)</b>	24.2(6)		<b>T- 3f-2c (2-1) R5</b>	5215	19053.68(6)	18.5(16)		
5188	19074.05(4)	53.6(5)	19074.03		5216	<b>19053.31(4)</b>	37.2(16)		<b>T+ 3f-2c (2-1) R4</b>
5189	<b>19073.37(4)</b>	49.9(5)	19073.36	<b>T+ 3c-2a (4-2) P3</b>	5217	19051.36(5)	11.9(7)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5218	19050.58(3)	154.7(8)	19050.56	S- 3E-2B (0-3) Q6	5248	19030.37(5)	6.4(7)		
5219	19049.91(3)	142.9(8)	19049.89		5249	19029.45(3)	15.9(6)		
5220	<b>19049.03(4)</b>	54.1(4)	19049.01	<b>T- 3f-2c (2-1) R4</b>	5250	19028.68(3)	11.7(6)		
5221	19048.01(6)	5.4(5)			5251	19027.515(16)	273.2(7)	19027.51	S- 3E-2B (1-5) Q9
5222	19047.46(5)	10.9(5)			5252	<b>19026.488(17)</b>	126.4(6)	19026.51	<b>T+ 3c-2a (4-2) P4</b>
5223	19046.63(4)	40.1(4)	19046.68		5253	19025.26(3)	17.3(7)		
5224	19045.90(5)	17.3(7)			5254	19024.61(3)	15.3(7)		
5225	19045.45(5)	15.0(6)			5255	19024.07(5)	8.3(7)		
5226	19044.84(4)	13.9(5)			5256	19023.196(18)	95.4(10)		
5227	19043.92(4)	12.4(4)		S+ GK-2B (5-6) P1	5257	19021.92(4)	12.7(10)		
5228	19043.24(4)	20.3(5)			5258	<b>19021.17(2)</b>	36.8(11)	19021.16	<b>T- 3f-2c (2-1) R3</b>
5229	19042.72(6)	7.7(5)			5259	19020.62(4)	12.5(11)		
5230	19042.15(5)	8.3(5)			5260	19018.40(4)	11.2(10)		
5231	19041.52(6)	5.1(5)			5261	19016.49(2)	38.3(10)		
5232	19040.83(5)	9.0(6)			5262	19015.79(3)	21.9(10)	19015.81	
5233	19040.34(5)	14.4(6)			5263	19014.67(2)	40.0(10)	19014.64	
5234	19039.58(3)	171.4(6)	19039.58	S- 3E-2B (3-8) Q4	5264	19014.09(3)	21.1(10)		
5235	19038.95(4)	96.3(7)	19038.92	S+ 3E-2B (3-8) R1	5265	19013.133(19)	74.8(10)		
5236	19038.49(5)	20.0(7)			5266	19011.85(11)	2.9(10)		
5237	19037.98(4)	23.3(6)	19037.93		5267	19010.94(6)	6.1(10)		
5238	19037.43(6)	6.8(5)			5268	19010.12(4)	11.5(10)		
5239	19036.78(5)	9.4(5)			5269	19009.35(2)	46.5(10)	19009.35	
5240	19035.51(4)	16.0(6)	19035.53		5270	19008.66(3)	27.3(11)		S+ GK-2B (6-7) R0
5241	19034.82(4)	8.8(7)			5271	19008.13(4)	20.3(11)		
5242	19034.15(4)	8.2(7)			5272	19007.517(17)	320.4(12)	19007.51	S- 3E-2B (3-8) Q3
5243	19033.30(3)	31.9(12)			5273	19006.87(4)	17.6(13)		
5244	19032.88(2)	62.7(11)			5274	19006.42(3)	26.9(14)		
5245	19032.18(5)	8.5(9)			5275	19005.30(2)	31.6(10)		
5246	19031.70(4)	12.0(9)			5276	19004.53(3)	20.5(10)		
5247	19030.99(3)	24.7(7)	19030.99		5277	19003.754(17)	291.4(12)	19003.75	S- 3E-2B (0-3) Q5

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5278	19003.07(2)	40.7(10)	19003.09		5308	18976.56(4)	8.0(9)		
5279	19001.76(2)	48.8(10)	19001.78	S+ 3E-2B (0-3) R1	5309	18975.83(4)	12.2(15)		
5280	19000.715(17)	187.3(10)	19000.70	S+ 3E-2B (0-3) P5	5310	18975.43(3)	20.4(15)		
5281	18999.75(5)	8.7(10)			5311	<b>18974.732(7)</b>	71.8(9)	18974.73	T+ 3c-2a (4-2) P5
5282	18998.73(4)	11.0(10)			5312	18973.630(12)	30.7(9)		
5283	18996.62(2)	45.0(10)	18996.60	S+ 3E-2B (3-8) R0	5313	18972.874(4)	343.3(10)	18972.87	S+ GK-2B (1-3) R9
5284	18995.23(2)	45.3(10)			5314	18972.027(11)	34.3(9)		
5285	18994.39(4)	11.6(11)			5315	18971.367(6)	123.4(9)	18971.36	
5286	18993.84(4)	14.3(11)			5316	18970.58(3)	11.4(9)		
5287	<b>18992.86(2)</b>	45.5(10)		<b>T+ 3f-2c (2-1) R2</b>	5317	18969.60(3)	9.5(9)		
5288	<b>18992.102(19)</b>	72.8(10)	18992.13	<b>T- 3f-2c (2-1) R2</b>	5318	18968.91(2)	18.5(12)		
5289	18990.65(3)	15.8(10)			5319	18968.46(4)	10.3(12)		
5290	18990.01(3)	31.0(10)	18989.99		5320	18967.669(5)	162.4(9)	18967.67	S- 3E-2B (3-8) Q1
5291	18989.29(2)	40.9(10)			5321	18966.209(5)	145.5(9)		
5292	18987.604(16)	32.2(7)	18987.59		5322	18964.670(14)	22.4(9)		
5293	18986.683(18)	14.9(7)			5323	18963.676(19)	16.2(9)		
5294	18986.20(2)	17.0(6)			5324	<b>18962.350(6)</b>	119.3(9)	18962.35	<b>T- 3f-2c (2-1) R1</b>
5295	18985.730(17)	17.7(7)			5325	18961.770(7)	80.3(9)		
5296	18985.001(10)	29.3(5)			5326	18961.076(6)	83.4(7)	18961.08	
5297	18984.40(9)	5.3(13)			5327	18960.30(3)	9.0(9)		
5298	18983.920(10)	146(7)	18983.92		5328	18959.72(4)	7.8(9)		
5299	18983.532(11)	122(7)		S- 3E-2B (3-8) Q2	5329	18958.56(3)	7.5(6)		
5300	18982.956(10)	30.7(5)			5330	<b>18957.629(10)</b>	28.1(6)		<b>T+ 3e-2c (10) R7</b>
5301	18982.179(13)	14.1(4)			5331	18956.90(3)	7.2(6)		
5302	18981.426(11)	18.4(4)			5332	18956.141(9)	64.1(10)		
5303	18980.67(2)	6.9(4)			5333	18955.725(11)	42.1(10)		
5304	18979.73(2)	11.5(8)			5334	18954.990(11)	26.2(6)		
5305	18978.657(13)	25.7(9)	18978.66		5335	18954.283(8)	54.7(6)		
5306	18977.936(13)	32.8(9)			5336	18953.705(17)	15.3(6)		
5307	18977.393(18)	21.0(9)			5337	18952.90(2)	10.4(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5338	18952.239(6)	97.4(7)	18952.24	S+ 3E-2B (0-3) P4	5367	18930.09(4)	10.7(7)		
5339	18951.71(4)	7.3(7)			5368	18929.50(3)	21.2(7)		
5340	18950.973(5)	123.0(7)	18950.97	S- 3E-2B (1-5) Q8	5369	18928.43(3)	16.5(6)		
5341	18950.30(2)	31(2)			5370	18927.46(3)	46.6(6)		
5342	18949.98(4)	14(2)		S+ 3E-2B (3-8) P2	5371	18926.09(4)	12.0(8)		
5343	18948.84(3)	10.6(6)			5372	18925.60(3)	23.0(8)		
5344	18947.58(2)	93.5(5)	18947.56	S+ GK-2B (7-8) R3	5373	18924.44(4)	10.6(6)		
5345	18946.57(4)	7.8(5)			5374	18923.45(3)	44.7(6)		
5346	18945.62(5)	11.6(9)			5375	18922.36(4)	10.0(6)		
5347	18945.20(5)	11.2(9)			5376	18921.55(7)	4.2(6)		
5348	18944.62(3)	50.5(6)	18944.60		5377	18920.28(3)	26.6(10)		
5349	18943.81(4)	10.6(7)			5378	18919.86(3)	74.9(10)		
5350	18943.33(3)	74.0(7)			5379	<b>18917.99(2)</b>	153.3(15)	18917.99	<b>T+ 3c-2a (4-2) P6</b>
5351	18942.49(5)	5.3(5)			5380	18917.62(4)	25.6(15)		
5352	<b>18941.81(3)</b>	40.1(6)	18941.82	<b>T- 3f-2c (1-0) P4</b>	5381	18916.92(2)	98.2(7)	18916.93	S- 3E-2B (0-3) Q2
5353	18941.21(5)	9.9(6)			5382	18916.28(5)	8.4(7)		
5354	18940.65(7)	9.2(13)			5383	<b>18915.71(4)</b>	15.9(7)	18915.71	<b>T- 3f-2c (1-0) P5</b>
5355	18940.29(3)	34.7(15)	18940.28	S+ 3E-2B (0-3) R0	5384	18913.89(4)	8.6(6)		
5356	18939.55(2)	91.5(6)	18939.58		5385	18913.17(2)	125.9(7)	18913.16	S+ 3E-2B (0-3) P3
5357	18938.70(2)	61.2(5)	18938.71		5386	18912.25(4)	9.7(6)		
5358	18938.03(4)	14.1(6)			5387	<b>18911.20(3)</b>	34.6(7)	18911.16	<b>T+ 3e-2c (1-0) R5</b>
5359	<b>18937.46(2)</b>	261.4(9)	18937.48	<b>T+ 3e-2c (1-0) R6</b>	5388	18910.47(3)	90.4(7)	18910.44	
				S- 3E-2B (0-3) Q3	5389	<b>18909.50(3)</b>	94.1(7)	18909.49	<b>T+ 3f-2c (2-1) Q6</b>
5360	18936.77(4)	9.9(5)			5390	18908.76(3)	35.2(7)	18908.75	
5361	18935.50(3)	48.4(6)	18935.53		5391	<b>18907.95(3)</b>	67.1(14)		<b>T+ 3f-2c (21) Q5</b>
5362	18934.25(5)	7.2(6)			5392	18907.56(5)	17.6(14)		
5363	18932.99(3)	38.4(6)			5393	18906.83(4)	25.7(8)	18906.85	
5364	18932.15(3)	31.2(11)			5394	<b>18906.22(3)</b>	106.8(8)	18906.24	<b>T+ 3f-2c (2-1) Q4</b>
5365	18931.75(4)	17.2(11)			5395	18905.62(3)	83.9(8)	18905.66	S+ GK-2B (7-8) R2
5366	18930.70(3)	41.8(7)			5396	18905.05(4)	37.0(11)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5397	<b>18904.55(3)</b>	282(2)	18904.61	T+ 3f-2c (2-1) Q3	5423	18889.17(3)	101.8(6)	18889.18	S+ GK-2B (2-4) R2
				S+ GK-2B (6-7) P5	5424	18888.50(4)	24.2(6)		
5398	<b>18904.11(4)</b>	159(7)		<b>T- 3f-2c (2-1) Q4</b>	5425	18888.03(4)	13.2(6)		
5399	<b>18903.78(4)</b>	240(4)		S- 3E-2B (0-3) Q1	5426	18887.45(3)	36.5(6)	18887.44	
				<b>T- 3f-2c (2-1) Q3</b>	5427	18886.98(3)	40.8(6)	18887.00	S+ 3E-2B (0-3) P2
				T- 3f-2c (2-1) Q4	5428	18886.43(6)	7.7(6)		
5400	18903.44(4)	158(6)			5429	18885.88(3)	88(2)	18885.85	
5401	18903.00(3)	99(2)			5430	18885.54(15)	7.5(15)		
5402	18902.37(5)	10.1(8)			5431	18885.18(12)	7.6(16)		
5403	<b>18901.66(3)</b>	67.9(7)		<b>T- 3f-2c (2-1) Q6</b>	5432	18884.66(14)	22(29)		
5404	18901.03(4)	22.1(7)			5433	18884.53(6)	71(29)		
5405	18900.18(3)	192.0(8)	18900.20		5434	18883.67(3)	288.7(6)	18883.60	S- 3E-2B (1-5) Q7
5406	18899.60(7)	12.6(15)			5435	18882.94(4)	15.8(5)		
5407	18899.20(3)	152.1(15)	18899.19		5436	18882.30(3)	74.9(6)	18882.27	
5408	18898.50(6)	20(2)			5437	18881.76(4)	20.9(8)		
5409	18898.16(3)	137(2)			5438	18881.36(4)	27.0(8)		
5410	18897.50(5)	15.2(8)			5439	18880.69(3)	177(8)	18880.66	S+ GK-2B (2-4) R1
5411	18896.92(4)	19.8(8)			5440	18880.44(4)	130(5)		
5412	18896.13(5)	9.8(7)			5441	18880.14(5)	42(4)		
5413	18895.30(5)	10.1(9)		S+ 3F-2B (3-9) R2	5442	18879.63(5)	8.1(7)		
5414	18894.90(3)	84.9(8)	18894.94	S+ GK-2B (7-8) R0	5443	<b>18878.89(4)</b>	20.0(5)		<b>T+ 3e-2c (1-0) R4</b>
				S+ GK-2B (7-8) R1	5444	<b>18878.16(3)</b>	132(3)	18878.15	<b>T+ 3f-2c (1-0) P7</b>
5415	18894.34(4)	10.3(6)			5445	18877.92(6)	18(3)		
5416	18893.70(3)	163.7(6)	18893.73	S+ GK-2B (2-4) R3	5446	18877.10(3)	74.9(5)	18877.10	
5417	18893.08(5)	10.1(6)			5447	18876.45(4)	14.7(5)		
5418	18892.55(3)	58.1(6)	18892.58		5448	18875.70(4)	13.5(5)		
5419	18891.93(4)	11.8(5)			5449	18874.98(4)	11.8(5)		
5420	18891.32(4)	19.4(5)			5450	18874.28(3)	124.2(6)		
5421	18890.46(3)	22.4(5)			5451	18873.79(3)	31.6(6)	18873.79	
5422	<b>18889.70(3)</b>	42.4(6)	18889.68	<b>T- 3f-2c (1-0) P6</b>	5452	18873.17(4)	21.3(5)	18873.18	



Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5453	18872.58(5)	6.9(5)			5481	18854.74(3)	59.6(5)		
5454	18871.83(4)	16.9(7)			5482	18854.12(3)	30.7(5)		
5455	18871.40(3)	93.4(7)	18871.38	S+ GK-2B (7-8) P1 S 3A-2B (3-10) R5	5483	18853.36(4)	13.3(5)		
5456	18870.51(5)	4.8(4)			5484	18852.71(4)	15.8(5)		
5457	18869.18(3)	39.6(5)	18869.15	S+ GK-2B (2-4) R0	5485	18851.78(5)	4.9(4)		
5458	18868.55(9)	2.9(5)			5486	18851.11(3)	35.7(5)	18851.06	
5459	18867.91(3)	44.5(5)	18867.91		5487	18850.61(6)	8.5(9)		
5460	18867.20(3)	61.4(5)			5488	18850.22(5)	18.3(9)		
5461	<b>18866.49(3)</b>	65.5(5)	18866.47	S+ EF-2B (32-6) R0 <b>T- 3c-2a (5-3) Q1</b>	5489	18849.85(7)	7.3(11)		
5462	18865.66(6)	5.2(5)			5490	18849.30(3)	88.7(5)		
5463	18865.09(5)	12.5(6)			5491	18848.81(4)	13.3(5)		
5464	18864.59(4)	21.8(6)			5492	18848.26(4)	23.2(6)		
5465	<b>18863.60(3)</b>	81.4(6)	18863.60	T- 3f-2c (1-0) P7	5493	18847.82(5)	8.1(6)		
5466	18863.07(4)	25.5(6)			5494	18847.19(5)	6.7(5)		
5467	18862.44(5)	8.1(5)			5495	18846.57(4)	11.0(5)		
5468	18861.71(3)	110.0(5)	18861.71	S+ 3E-2B (1-5) R3	5496	18845.97(4)	8.7(5)		
5469	18861.10(4)	17.5(6)			5497	18845.27(3)	444.6(5)	18845.29	S+ GK-2B (1-3) R7
5470	18860.54(3)	60.2(6)	18860.55		5498	18844.68(3)	68.8(5)	18844.70	
5471	18859.98(3)	80.5(8)	18860.03		5499	18844.19(5)	8.8(5)		
5472	18859.52(7)	11.1(8)			5500	18843.39(6)	4.8(5)		
5473	18859.04(4)	59.1(14)	18859.09		5501	18842.85(3)	27.3(5)		
5474	18858.69(4)	28.2(19)			5502	18842.34(5)	8.5(5)		
5475	18857.86(4)	20.5(6)			5503	18841.81(5)	8.5(5)		
5476	18857.33(5)	20.1(15)			5504	18841.26(3)	32.9(5)		
5477	18856.99(4)	27.0(17)			5505	<b>18840.75(3)</b>	39.4(5)		<b>T+ 3e-2c (1-0) R3</b>
5478	<b>18856.32(3)</b>	71.1(6)	18856.32	<b>T+ 3c-2a (4-2) P7</b>	5506	18840.23(4)	12.3(5)		
5479	18855.74(4)	80(3)			5507	18839.71(3)	75.8(5)	18839.69	
5480	<b>18855.46(3)</b>	205(3)	18855.45	<b>T- 3c-2a (5-3) Q2</b>	5508	<b>18838.97(3)</b>	118.7(7)	18838.97	<b>T- 3c-2a (5-3) Q3</b>
					5509	18838.58(3)	100.7(7)	18838.54	
					5510	18837.96(4)	15.7(5)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5511	18837.43(3)	81.1(5)	18837.44	S+ GK-2B (2-4) P1	5540	18817.56(4)	48(2)		
				S+ EF-2B (32-6) P1	5541	<b>18817.10(3)</b>	373.9(14)	18817.09	<b>T- 3c-2a (5-3) Q4</b>
5512	18836.80(4)	9.5(5)			5542	18816.05(5)	13.9(9)		
5513	18836.22(5)	23(2)			5543	<b>18815.19(4)</b>	53.3(9)	18815.20	<b>T- 3f-2c (2-1) P3</b>
5514	18835.95(4)	32(2)			5544	18813.90(6)	12.2(11)		
5515	18835.25(5)	14.3(16)			5545	18813.35(4)	45.0(10)	18813.37	
5516	18834.95(7)	8.9(16)			5546	18812.33(5)	19.7(9)		
5517	18834.41(6)	5.3(5)			5547	18811.51(5)	17.5(9)		
5518	18833.70(4)	10.1(4)			5548	18810.52(4)	28.9(7)	18810.51	
5519	18833.01(3)	31.1(5)	18833.01		5549	18809.68(4)	21.3(7)		S 3A-2B (2-8) R1
5520	18832.31(4)	13.0(5)			5550	18808.97(4)	56.0(7)		
5521	18831.41(3)	83.0(5)	18831.40		5551	18808.29(4)	18.8(7)		
5522	18830.64(6)	4.7(5)			5552	18807.62(4)	52.5(7)	18807.57	
5523	18829.98(3)	66(2)			5553	18806.88(4)	25.7(8)		
5524	<b>18829.67(3)</b>	123.0(18)	18829.66	<b>T- 3f-2c (3-2) R2</b>	5554	18806.37(4)	31.0(8)	18806.41	
5525	18829.24(6)	8.4(9)			5555	18805.74(7)	6.4(7)		
5526	18828.48(5)	5.9(5)			5556	18804.71(6)	9.1(7)		
5527	18827.92(3)	41.6(5)			5557	18804.03(4)	45.4(7)		
5528	18827.36(3)	97.3(5)			5558	18803.20(3)	203.5(9)	18803.25	
5529	18826.65(5)	8.8(5)			5559	18802.73(5)	22.4(9)		
5530	18826.12(5)	13.5(7)			5560	<b>18802.12(5)</b>	37(3)	18802.15	<b>T+ 4b-2a (0-1) R2</b>
5531	18825.65(3)	150.7(6)	18825.64	S- 3E-2B (1-5) Q6	5561	18801.80(4)	66(3)	18801.78	
5532	18825.08(4)	10.1(5)			5562	18801.08(4)	48.4(7)	18801.03	S+ 3E-2B (1-5) R2
5533	18824.44(3)	26.1(5)			5563	18800.37(6)	12.1(9)		
5534	18822.61(5)	6.3(5)			5564	18799.91(4)	30.2(9)		S- 3F-2B (0-4) Q7
5535	18821.97(3)	45.8(7)	18822.02		5565	18799.28(4)	55.0(7)	18799.30	
5536	18821.56(3)	42.8(8)	18821.60		5566	18798.46(5)	17.1(9)		
5537	18820.14(3)	50.3(12)	18820.17		5567	18797.96(7)	11.5(9)		S+ GK-2B (7-8) P4
5538	18819.80(3)	48.1(12)	18819.79	S 3A-2B (3-10) R4	5568	<b>18797.46(5)</b>	21.1(9)		<b>T+ 3e-2c (1-0) R2</b>
5539	18818.57(5)	14.4(9)			5569	18796.87(3)	245.0(8)	18796.83	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5570	18796.14(5)	12.0(7)			5599	18777.62(6)	7.9(7)		
5571	18795.29(3)	264.1(8)	18795.27	S+ GK-2B (1-3) R6	5600	18776.83(3)	329.6(7)	18776.82	S- 3E-2B (1-5) Q5
5572	18794.66(3)	192.5(8)	18794.63	S+ GK-2B (2-4) P3	5601	18776.20(5)	11.0(7)		
				S+ EF-2B (32-6) P3	5602	18774.66(4)	26.8(15)		
5573	18793.80(5)	14.1(8)			5603	18774.32(4)	27.4(15)		
5574	18793.27(6)	14.4(8)			5604	18773.37(6)	11.4(12)		
5575	18792.74(4)	22.0(8)			5605	18773.00(5)	19.0(11)		
5576	18791.98(4)	27.8(8)			5606	18772.38(5)	7.4(7)		
5577	18791.46(4)	192(5)			5607	18771.60(4)	10.5(6)		
5578	18791.20(5)	56(5)			5608	18770.23(5)	6.9(7)		
5579	18790.57(6)	7.9(6)			5609	18769.20(3)	96.4(9)	18769.21	S+ GK-2B (2-4) P4
5580	<b>18789.89(3)</b>	122.6(6)	18789.90	<b>T- 3c-2a (5-3) Q5</b>					S+ EF-2B (32-6) P4
5581	<b>18788.84(3)</b>	143.8(6)	18788.84	<b>T+ 3c-2a (4-2) P8</b>	5610	18768.76(4)	22.9(9)		
5582	18788.28(6)	7.5(6)			5611	18768.27(3)	177.8(8)	18768.28	S- 3E-2B (4-10) Q5
5583	<b>18787.60(4)</b>	32.5(7)	18787.64	<b>T+ 3f-2c (2-1) P4</b>	5612	18767.73(4)	22.5(7)		
5584	18787.05(5)	33.9(19)			5613	18766.99(4)	12.2(7)		
5585	<b>18786.69(5)</b>	33.0(15)		T- 3f-2c (2-1) P4	5614	18766.22(3)	36.6(7)	18766.27	
5586	18786.27(4)	27.2(12)			5615	18765.65(4)	11.8(7)		
5587	18785.52(4)	15.0(6)			5616	18764.71(4)	10.8(7)		
5588	18784.63(6)	11.8(11)			5617	18763.98(4)	10.3(7)		
5589	18784.23(4)	114.9(10)	18784.22		5618	18762.92(4)	11.1(7)		
5590	18783.67(6)	8.5(7)			5619	18762.23(4)	34.8(11)		
5591	<b>18783.09(5)</b>	10.0(6)		<b>T+ 4b-2a (0-1) R1</b>	5620	18761.83(3)	99.6(10)	18761.85	
5592	18782.40(5)	12.9(6)			5621	18761.22(4)	23.9(7)		
5593	18781.82(5)	11.6(6)			5622	<b>18760.69(3)</b>	187.2(7)	18760.70	<b>T+ 3f-2c (2-1) P5</b>
5594	18780.92(9)	4.9(9)							S+ 3E-2B (1-5) P6
5595	18780.51(9)	5.4(9)			5623	18759.65(3)	45.4(7)		
5596	18779.84(7)	5.3(6)			5624	18759.03(3)	108.9(9)	18759.01	S 3A-2B (3-10) R3
5597	18779.05(4)	25.1(6)	18779.01		5625	18758.59(3)	48.5(9)		
5598	18778.14(3)	39.5(7)	18778.17		5626	18757.96(4)	33.1(9)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5627	<b>18757.48(3)</b>	239(2)		<b><i>T- 3c-2a (5-3) Q6</i></b>	5656	18739.74(4)	67.9(16)		
5628	18757.15(4)	65(2)			5657	18739.17(5)	38.3(15)	18739.21	
5629	18756.68(4)	37.9(9)	18756.64		5658	18738.57(8)	9.3(14)		
5630	18756.07(4)	23.5(8)			5659	18737.52(3)	159.1(16)	18737.56	
5631	18755.58(5)	10.5(8)			5660	18737.00(3)	151.2(16)	18737.02	S- 3E-2B (1-5) Q4
5632	18754.86(3)	474.1(8)	18754.87	S+ GK-2B (1-3) R5	5661	18735.69(3)	143.5(13)	18735.69	
5633	18754.09(4)	19.8(7)			5662	<b>18734.52(4)</b>	57.5(14)	18734.57	<b>T+ 3f-2c (2-1) P6</b>
5634	18753.24(4)	14.9(8)			5663	18733.92(5)	28.1(15)	18733.87	
5635	18752.76(3)	44.7(8)			5664	18733.32(4)	90.6(14)	18733.29	
5636	18752.12(3)	33.7(7)	18752.14		5665	<b>18731.67(3)</b>	104.6(13)	18731.70	<b>T+ 3e-2c (1-0) Q6</b>
5637	18751.42(4)	14.6(7)			5666	18730.86(4)	16.0(6)		
5638	18750.73(3)	82.9(7)	18750.71		5667	18730.19(4)	81.7(17)	18730.13	
5639	<b>18750.26(4)</b>	23.0(7)	18750.25	T+ 3e-2c (1-0) R1	5668	18729.85(4)	56.6(15)		
5640	18749.61(3)	77.3(5)	18749.58		5669	18729.34(4)	19.8(7)		
5641	18748.59(6)	11.1(19)			5670	<b>18728.47(3)</b>	81.7(6)	18728.49	T+ 3e-2c (1-0) Q5
5642	18748.27(5)	21.6(18)			5671	18727.56(3)	95.4(6)	18727.59	S- 3E-2B (4-10) Q4
5643	18747.67(6)	7.3(6)			5672	18726.91(4)	18.0(6)		
5644	18746.99(3)	87.4(5)	18747.00		5673	18726.19(4)	13.4(6)		
5645	18746.26(3)	139.7(6)	18746.25		5674	18725.52(3)	84.7(8)	18725.52	
5646	18745.62(4)	13.8(5)			5675	18725.00(8)	20(5)		
5647	18744.84(3)	91.7(15)	18744.88		5676	18724.72(7)	28(4)		
5648	18744.45(3)	279.1(11)	18744.42		5677	18724.26(11)	9.0(12)		
5649	18744.03(6)	11.6(13)			5678	18723.78(5)	137(14)		
5650	18743.41(4)	26.2(6)			5679	18723.60(4)	208(16)	18723.61	S+ GK-2B (1-3) R4
5651	18742.78(3)	243.7(15)	18742.75	S+ 3E-2B (1-5) R1	5680	18722.75(4)	20.7(7)		
5652	18742.44(4)	43.6(18)			5681	18722.25(4)	25.3(7)		
5653	18741.64(3)	80.4(13)	18741.69		5682	18721.33(3)	48.4(6)	18721.30	
5654	18741.17(4)	39.2(13)	18741.14		5683	18720.63(5)	10.7(6)		
5655	18740.29(4)	135.5(16)	18740.30	S+ EF-2B (32-6) P5	5684	<b>18719.95(3)</b>	98.8(12)	18719.95	<b>T- 3c-2a (5-3) Q7</b>
				S+ GK-2B (2-4) P5	5685	18719.53(4)	124.0(17)	18719.55	

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5686	18719.21(4)	33(2)			5716	<b>18698.65(8)</b>	6.8(9)		S- 3F-2B (0-4) Q6
5687	18718.13(4)	34.8(6)	18718.08						<b>T+ 4b-2a (0-1) P1</b>
5688	18717.05(3)	197.2(6)	18717.06		5717	18698.13(6)	17.7(9)		
5689	18716.25(4)	34.4(6)	18716.25		5718	18697.57(6)	30(3)		
5690	18715.52(3)	75.8(7)			5719	<b>18697.25(5)</b>	99(3)	18697.32	<b>T- 3e-2c (1-0) R4</b>
5691	18714.97(4)	35.9(13)			5720	18696.68(5)	24.4(9)		
5692	18714.57(3)	187.3(11)			5721	<b>18696.06(4)</b>	64.2(8)		<b>T- 3e-2c (1-0) R3</b>
5693	18714.17(4)	36.3(13)			5722	18695.49(4)	75.3(11)		
5694	18713.54(3)	101.6(6)	18713.61		5723	18695.01(4)	211(2)		
5695	18712.96(3)	106.8(10)	18712.95		5724	18694.65(6)	38(2)		S+ 3E-2B (1-5) R0
5696	18712.52(3)	150.3(12)	18712.48	S+ 3E-2B (1-5) P5	5725	<b>18694.10(4)</b>	52.2(9)		<b>T- 3e-2c (1-0) R5</b>
5697	18712.15(4)	53.0(15)			5726	18693.56(4)	38.9(8)		
5698	18711.48(5)	7.7(6)			5727	18692.85(6)	11.8(9)		
5699	18710.09(4)	26.3(7)	18710.08		5728	18692.34(7)	9.5(9)		
5700	18709.37(4)	45.9(9)	18709.32		5729	18691.76(9)	5.0(8)		
5701	<b>18708.94(3)</b>	104.8(9)	18708.91	<b>T+ 3f-2c (2-1) P7</b>	5730	18691.04(4)	72.3(8)		
5702	18707.81(4)	24.6(7)	18707.86		5731	18690.51(4)	180.1(8)	18690.52	
5703	18707.01(4)	28.6(7)	18707.02	S 3A-2B (3-10) R2	5732	<b>18689.74(4)</b>	79.6(10)	18689.74	<b>T- 3e-2c (1-0) R2</b>
5704	18706.46(7)	7.7(8)			5733	18689.27(6)	15.7(10)		
5705	18705.89(3)	417.1(8)	18705.90	S- 3E-2B (1-5) Q3	5734	18688.61(4)	45.0(8)	18688.66	
5706	18705.21(6)	7.1(7)			5735	18687.84(5)	28.0(10)		
5707	18704.63(4)	25.2(7)	18704.67		5736	18687.43(4)	69.3(10)	18687.43	S+ GK-2B (8-9) P3
5708	18703.97(4)	60.9(9)	18703.93		5737	18686.81(4)	73(2)		
5709	18703.54(4)	36.4(9)			5738	18686.50(4)	175(2)	18686.45	S+ GK-2B (1-3) R2
5710	18702.25(5)	19.9(8)	18702.22		5739	18685.88(6)	7.6(7)		
5711	18701.73(6)	12.9(8)			5740	18684.88(5)	20.1(7)	18684.85	S+ 3E-2B (4-10) R0
5712	18701.10(4)	390.1(8)	18701.11	S+ GK-2B (1-3) R3	5741	18684.37(4)	100.4(7)	18684.37	S+ 3E-2B (1-5) P4
5713	18700.32(6)	66(13)			5742	18683.77(4)	165.4(18)	18683.81	
5714	18700.13(6)	63(13)			5743	18683.38(6)	63(5)		
5715	18699.32(5)	17.9(8)			5744	18683.12(4)	249(6)	18683.14	S- 3E-2B (1-5) Q2

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5745	18682.44(4)	33.0(7)			5773	18666.02(5)	31.4(16)		
5746	18681.82(4)	214.0(7)	18681.80		5774	18664.98(6)	10.5(7)		
5747	18681.15(8)	6.4(8)			5775	18663.63(4)	70.1(7)	18663.60	
5748	18680.68(4)	38.3(8)	18680.71		5776	18662.25(5)	20.5(8)		
5749	18680.07(5)	13.5(7)			5777	18661.70(6)	15.3(9)		
5750	18679.53(6)	10.0(7)			5778	18661.12(4)	189.3(8)	18661.10	
5751	18678.66(5)	21.5(6)			5779	18660.43(4)	44.0(8)	18660.33	
5752	<b>18677.98(4)</b>	207.4(8)	18677.99	<b>T- 3e-2c (1-0) R1</b>	5780	18659.79(5)	18.5(8)		
				S+ GK-2B (1-3) R1	5781	18659.17(4)	143.2(8)	18659.14	S+ 3E-2B (1-5) P3
5753	<b>18677.47(4)</b>	144.6(8)	18677.56	<b>T- 3c-2a (5-3) Q8</b>	5782	18658.35(4)	33.1(8)	18658.36	
5754	18676.98(6)	11.6(8)			5783	18657.69(4)	102.0(8)	18657.69	
5755	18676.34(4)	56.3(7)	18676.36		5784	18657.13(5)	26.6(8)	18657.15	
5756	18675.68(4)	50.1(11)	18675.63		5785	18656.35(4)	61.7(7)	18656.36	
5757	18675.30(5)	23.9(12)			5786	18655.81(5)	10.3(6)		
5758	18674.49(6)	7.2(6)			5787	18655.33(5)	10.0(6)		
5759	18673.81(7)	6.8(7)			5788	18654.79(3)	153.8(11)	18654.82	
5760	18673.24(4)	228.8(8)	18673.24		5789	18654.40(3)	101.6(10)	18654.42	S- 3E-2B (4-10) Q1
5761	18672.75(4)	49.0(8)			5790	18653.96(4)	54.0(12)		
5762	<b>18672.25(4)</b>	63.2(8)		S+ GK-2B (1-3) R0	5791	18653.62(6)	10.7(16)		
				<b>T+ 3e-2c (1-0) Q1</b>	5792	18652.90(4)	13.6(6)		
5763	18671.73(5)	14.8(7)			5793	18652.38(3)	47.3(6)		
5764	18671.08(4)	56.7(14)			5794	18651.87(3)	78.0(7)	18651.89	
5765	18670.72(4)	95.0(14)	18670.68	S- 3E-2B (4-10) Q2	5795	18651.41(4)	32.9(7)		
5766	18670.14(4)	112.8(7)	18670.12		5796	18650.81(4)	10.3(5)		
5767	18669.60(5)	39.8(8)			5797	18649.97(6)	5.3(5)		
5768	18669.16(5)	20.6(9)			5798	18649.30(4)	25.5(6)		
5769	18668.20(4)	157.5(8)	18668.20	S- 3E-2B (1-5) Q1	5799	18648.80(4)	47.0(9)	18648.81	
5770	18667.54(4)	44.1(8)			5800	18648.38(6)	12.0(9)		
5771	18666.81(4)	170(3)			5801	18647.98(4)	21.5(9)		
5772	18666.46(4)	170(2)	18666.43		5802	18647.47(4)	27.8(6)		S 3A-2B (3-10) R0

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5803	18646.74(3)	385.0(6)	18646.76	S- 3E-2B (2-7) Q7	5833	18629.31(3)	49.0(10)	18629.29	S- 4E-2B (0-10) Q5 S 3A-2B (3-10) P5
5804	18646.14(4)	16.6(6)			5834	18628.62(6)	4.6(5)		
5805	18645.62(3)	83.4(6)	18645.61	S+ GK-2B (1-3) P1	5835	18627.94(3)	72.6(7)	18627.94	
5806	18645.02(4)	18.6(6)							
5807	18644.40(4)	65(2)	18644.36	S+ 3E-2B (1-5) P2	5836	18627.37(7)	7.1(7)		
5808	18644.12(7)	14(2)			5837	18626.63(6)	12.7(15)		
5809	18643.52(3)	255.4(7)	18643.53		5838	18626.22(3)	103.8(13)	18626.29	
5810	18643.08(3)	51.5(8)			5839	18625.60(4)	36.9(8)		
5811	18642.54(5)	8.2(6)			5840	18625.00(3)	56.8(7)		
5812	18641.76(3)	69.0(11)			5841	18624.20(5)	14.4(7)		
5813	18641.38(4)	39.3(10)			5842	18623.61(5)	12.8(7)		S+ GK-2B (1-3) P2
5814	18640.97(3)	66.8(10)		S+ 3E-2B (4-10) P3	5843	18622.79(6)	5.7(7)		
5815	18640.14(4)	11.4(6)			5844	18621.97(3)	114.5(7)	18621.98	
5816	18639.61(3)	68.2(8)	18639.65		5845	18621.20(4)	18.6(7)		
5817	18639.22(4)	23.5(9)			5846	18620.08(5)	10.3(7)		
5818	18638.36(5)	6.4(5)			5847	18619.60(3)	39.2(7)		
5819	18636.86(6)	4.7(5)			5848	18618.90(3)	31.4(6)	18618.87	
5820	18636.20(3)	83.5(9)	18636.18		5849	18618.41(3)	85.7(8)	18618.43	
5821	18635.81(5)	11.7(9)			5850	18618.00(5)	12.9(9)		
5822	18635.22(7)	4.5(6)			5851	18617.39(2)	113.8(5)	18617.41	
5823	18634.61(4)	18.4(5)			5852	18616.81(3)	38.4(5)		
5824	18633.38(11)	2.5(7)			5853	18616.16(3)	66(3)		
5825	18632.89(3)	89.3(13)	18632.87		5854	18615.88(4)	22(3)		
5826	18632.54(3)	104.4(14)	18632.51		5855	18615.23(3)	13.6(5)		
5827	18631.87(5)	29(3)			5856	18614.58(3)	23.9(5)		
5828	18631.57(4)	58.5(19)	18631.53		5857	18614.02(3)	38.4(5)		
5829	18631.21(4)	66.6(18)	18631.27		5858	18612.67(3)	21.6(4)		
5830	18630.67(5)	14.8(7)			5859	18611.80(3)	102.9(14)	18611.79	
5831	18630.18(3)	134.7(7)	18630.15		5860	18611.45(3)	80.4(12)		
5832	<b>18629.69(4)</b>	55.3(9)	18629.64	<b>T- 3e-2c (1-0) Q1</b>	5861	18610.98(3)	18.5(7)		

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
5862	18610.23(3)	35.8(4)	18610.24	S 3A-2B (3-10) P4 <b>T+ 4b-2a (1-2) R2</b>	5891	18589.39(3)	65.6(14)	18589.40	S+ GK-2B (1-3) P3
5863	18608.83(4)	6.0(4)			5892	18588.89(3)	91.9(17)		
5864	18608.05(2)	66.3(5)	18608.06		5893	18588.43(3)	169.8(16)	18588.49	
5865	18607.45(4)	10.9(5)			5894	18587.82(2)	209.5(10)	18587.83	S- 3E-2B (2-7) Q6
5866	18606.68(3)	60.9(5)	18606.72		5895	<b>18586.57(3)</b>	18.2(5)		<b>T+ 4b-2a (1-2) R1</b>
5867	18606.01(6)	3.5(4)			5896	18585.98(4)	7.8(5)		
5868	18605.16(3)	89.1(9)	18605.15		5897	<b>18585.08(3)</b>	54.6(19)	18585.07	<b>T+ 3e-2c (1-0) P4</b>
5869	18604.51(6)	20(3)			5898	18584.78(16)	3.4(17)		
5870	<b>18604.15(4)</b>	45(3)			5899	18584.19(2)	237.5(11)	18584.17	
5871	18603.33(3)	139.7(13)			5900	18583.83(4)	16.1(14)		
5872	18602.85(5)	20.8(13)		S 3A-2B (3-10) P3 <b>T+ 3e-2c (1-0) P3</b> T- 3e-2c (1-0) Q3	5901	18583.25(2)	109.8(5)	18583.24	
5873	18602.15(4)	67(4)			5902	18582.68(3)	26.8(5)	18582.71	
5874	18601.81(3)	131(4)			5903	18582.13(3)	21.6(5)		
5875	18601.26(3)	57.3(12)			5904	18581.25(3)	41.6(4)	18581.22	
5876	18600.46(2)	139.8(11)	18600.44		5905	18580.53(7)	2.7(4)		
5877	18599.40(2)	153.8(11)	18599.42		5906	18579.81(3)	16.1(5)		
5878	18598.78(10)	6.3(11)			5907	18579.24(3)	12.6(5)		
5879	<b>18598.24(3)</b>	91.6(11)	18598.23		5908	18578.16(2)	145.2(5)	18578.17	
					5909	18577.23(3)	17.7(6)		
5880	18597.70(3)	79.9(11)	18597.68		5910	<b>18576.71(4)</b>	28.1(13)		<b>T+ 4b-2a (0-1) P4</b>
5881	18596.71(3)	30.0(8)	18596.67	S- 3E-2B (5-12) Q8	5911	18576.37(4)	22.8(14)		
5882	18595.95(3)	47.0(15)	18595.98		5912	18575.68(2)	89.1(5)	18575.70	
5883	18595.46(18)	5.6(17)			5913	<b>18574.97(5)</b>	26(5)		<b>T- 3e-2c (1-0) Q4</b>
5884	18595.03(6)	21.5(18)	18595.00		5914	18574.71(5)	43(4)		
5885	18594.45(7)	7.7(10)			5915	18574.24(4)	46(2)		
5886	18593.45(3)	44.1(8)			5916	18573.86(4)	99(7)	18573.87	
5887	18592.70(4)	13.0(8)			5917	18573.63(4)	74(9)	18573.62	
5888	18591.51(2)	110.0(11)	18591.50		5918	18573.02(6)	4.5(5)		
5889	18590.77(5)	56(14)			5919	18572.17(4)	74.6(8)	18572.16	
5890	18590.56(4)	76(14)			5920	18571.47(5)	33(2)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5921	18571.08(4)	124.8(18)	18571.07		5951	<b>18549.11(4)</b>	60.9(6)		<b>T+ 3e-2c (1-0) P6</b>
5922	18570.45(4)	176.6(15)	18570.49		5952	18548.49(4)	150.6(8)	18548.51	
5923	18570.02(4)	196.0(15)	18570.04		5953	18548.05(4)	49.6(8)	18548.15	
5924	<b>18569.17(4)</b>	149.5(9)	18569.15	<b>T+ 3e-2c (1-0) P5</b>	5954	18547.43(4)	29.5(6)		
5925	<b>18568.56(5)</b>	45(2)	18568.56	<b>T- 3e-2c (1-0) P2</b>	5955	18546.83(4)	103.9(6)	18546.80	S+ 3E-2B (2-7) R2
5926	18568.19(5)	35(2)			5956	18545.94(4)	133.5(7)	18545.92	
5927	18566.87(7)	6.3(7)			5957	18545.09(4)	51.7(6)	18545.07	
5928	18566.10(4)	28.0(7)			5958	18544.34(6)	9.0(6)		
5929	18565.35(4)	31.3(8)	18565.35		5959	18543.81(5)	16.4(7)		
5930	<b>18564.58(4)</b>	35.0(9)	18564.54	T+ 4b-2a (1-2) R0	5960	18543.25(4)	76.4(6)	18543.24	S+ GK-2B (1-3) P5
5931	18564.13(4)	368.1(8)	18564.18		5961	18542.40(4)	76.0(6)	18542.41	
5932	<b>18563.25(4)</b>	97.2(14)		<b>T- 3c-2a (6-4) Q1</b>	5962	18541.81(4)	137.3(6)		
5933	18562.90(4)	158.4(13)	18562.92	S+ GK-2B (1-3) P4	5963	18541.15(4)	65.4(6)	18541.16	
5934	18561.77(4)	104.1(8)	18561.76		5964	18540.55(5)	16.2(8)		
5935	18561.33(4)	138.2(8)	18561.35		5965	18540.09(4)	37.2(8)	18540.09	
5936	18560.36(7)	6.9(9)			5966	18539.45(5)	15.4(6)		
5937	18559.92(5)	21.8(8)			5967	18538.85(4)	53.7(6)		
5938	18559.41(4)	86.8(7)	18559.38		5968	18538.21(4)	152.4(6)	18538.16	
5939	18558.74(4)	79.6(6)	18558.76	S- 3E-2C (4-0) R3	5969	18537.54(4)	261.9(15)	18537.58	S- 3E-2B (2-7) Q5
5940	18557.45(4)	22.7(6)		S+ GK-2B (1-3) P9	5970	18537.15(4)	72.5(15)		
5941	18556.54(4)	82.4(6)	18556.52		5971	18536.63(4)	120.1(19)		
5942	18555.60(10)	3.1(6)			5972	<b>18536.29(4)</b>	127(2)		<b>T- 3c-2a (6-4) Q3</b>
5943	18555.00(4)	174.9(12)	18554.98		5973	18535.56(4)	26.9(6)		
5944	18554.62(5)	20.7(13)			5974	18534.91(4)	107.0(6)		
5945	18553.95(4)	65.5(6)	18553.90		5975	18534.05(4)	135.3(6)	18534.07	
5946	18552.98(5)	21.1(8)	18552.91		5976	18533.35(5)	46.7(7)	18533.38	
5947	<b>18552.49(4)</b>	263.4(7)	18552.43	<b>T- 3c-2a (6-4) Q2</b>	5977	18532.48(5)	64.7(7)	18532.52	
5948	18551.78(4)	59.5(7)	18551.82		5978	18531.92(6)	34.6(8)		
5949	18551.27(6)	9.9(7)			5979	18531.42(9)	7.3(9)		
5950	18550.59(6)	5.9(6)			5980	18530.77(8)	7.4(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
5981	18530.14(5)	45.7(7)	18530.17	S+ GK-2B (1-3) P7	6010	18510.36(5)	63.5(9)	18510.45	
5982	18529.54(7)	32(2)			6011	18509.60(6)	19.2(9)		
5983	18529.18(6)	77(2)	18529.28		6012	18508.99(7)	12.4(9)		
5984	18528.63(6)	33.6(12)			6013	18508.38(5)	114(4)		
5985	18528.22(6)	34.3(14)			6014	18508.11(6)	61(4)		
5986	18527.50(5)	107.8(8)	18527.54		6015	18507.46(5)	93.0(9)	18507.43	
5987	18526.93(6)	51(4)		S- 3E-2B (5-12) Q7	6016	18506.78(5)	32.1(9)		
5988	18526.64(7)	27(4)		S- 3E-2B (5-12) Q7	6017	<b>18506.20(5)</b>	115.1(10)	18506.21	S+ EF-2B (29-5) R1
5989	<b>18525.82(5)</b>	34.6(7)	18525.88	<b>T- 3e-2c (1-0) P3</b>					<b>T+ 4b-2a (1-2) P1</b>
5990	18525.28(5)	69.5(7)	18525.29		6018	18505.72(6)	17.0(10)		S+ EF-2B (29-5) R0
5991	<b>18524.52(6)</b>	50(6)	18524.43	T+ 3e-2c (1-0) P7					S+ 3E-2C (4-0) Q2
5992	<b>18524.28(5)</b>	138(6)	18524.24	<b>T+ 3e-2c (1-0) P7</b>	6019	18504.72(5)	78.1(11)	18504.78	S+ GK-2B (9-10) P2
5993	18523.58(5)	78.8(9)	18523.60		6020	18504.36(5)	110.6(11)	18504.35	
5994	18522.84(5)	69.6(16)	18522.83	S+ 3E-2C (4-0) Q1	6021	18502.86(6)	17.8(6)		
				S+ 3F-2B (0-4) R2	6022	18502.36(7)	8.7(6)		
5995	18522.43(6)	59(2)	18522.48		6023	18501.57(6)	57(3)		
5996	18522.09(7)	37(2)	18522.16		6024	18501.28(5)	122(2)	18501.34	
5997	18521.59(6)	35.2(11)	18521.52		6025	18500.78(7)	10.9(7)		
5998	18520.81(5)	124.5(9)	18520.78		6026	18500.23(6)	28.2(7)		
5999	18519.63(7)	12.1(8)			6027	18499.71(6)	46(2)		
6000	18518.03(5)	447.7(10)	18517.93		6028	18499.38(5)	97.6(19)	18499.36	S+ EF-2B (29-5) R2
6001	18517.47(5)	88.2(18)			6029	18498.96(7)	17.4(11)		
6002	18517.12(5)	104(2)			6030	18498.32(6)	12.4(6)		
6003	18516.41(5)	62.0(9)	18516.38		6031	18497.74(6)	41.2(16)		
6004	<b>18514.95(5)</b>	214.4(9)	18514.93	<b>T- 3c-2a (6-4) Q4</b>	6032	18497.41(7)	15.6(17)		
6005	18513.73(7)	8.2(9)			6033	18496.75(5)	53.2(6)	18496.70	
6006	18513.06(5)	128.2(9)	18513.04	S+ 4E-2C (0-0) R1	6034	18496.27(5)	124.7(6)	18496.25	S- 3E-2B (2-7) Q4
6007	18512.38(5)	41.7(9)	18512.35		6035	18495.73(5)	30.2(6)		
6008	18511.26(9)	10.8(18)			6036	18494.81(5)	53.2(5)	18494.72	
6009	18510.90(6)	50.4(17)	18510.90		6037	18493.62(5)	39.7(6)	18493.63	S+ 3E-2B (2-7) R1

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6038	18492.32(4)	71.5(7)	18492.25	<b>T- 3c-2a (6-4) Q5</b>	6068	18472.59(4)	185.9(7)	18472.60	S+ EF-2B (29-5) R4
6039	18491.18(4)	87.4(7)	18491.25		6069	<b>18471.80(4)</b>	79.6(6)	18471.84	<b>T- 3e-2c (2-1) R3</b>
6040	18490.60(6)	10.6(7)			6070	18470.73(4)	79.1(6)		
6041	18489.61(4)	70.2(7)	18489.65		6071	18469.49(4)	38.9(6)		
6042	18488.90(5)	22.6(7)			6072	18468.85(4)	27.9(6)		S- 3F-2B (0-4) Q3
6043	<b>18488.33(4)</b>	94.3(7)			6073	18467.60(4)	57.8(7)	18467.59	
6044	18487.64(4)	103.1(7)	18487.63		6074	18467.07(6)	15.2(7)		
6045	18486.92(5)	30.0(9)			6075	18466.56(4)	166.1(7)	18466.60	
6046	18486.42(4)	101.0(13)			6076	18465.99(7)	9.1(7)		
6047	18485.97(5)	129(3)		S+ EF-2B (29-5) R3	6077	18465.47(5)	19.8(7)		
6048	18485.66(4)	147(4)			6078	18464.63(6)	18(3)		
6049	18485.01(6)	12.4(7)			6079	<b>18464.32(4)</b>	238(4)	18464.23	<b>T- 3e-2c (21) R2</b>
6050	18484.16(4)	78.0(6)	18484.13	S+ GK-2B (9-10) P3	6080	18464.07(5)	51(5)		
6051	18483.38(5)	31.5(7)			6081	18463.53(4)	258.6(7)	18463.52	S- 3E-2B (2-7) Q3
6052	18482.81(4)	277.3(16)	18482.78		6082	18462.74(4)	201.0(6)	18462.75	S+ 3E-2B (2-7) P5
6053	18482.41(5)	44.0(13)			6083	18462.14(10)	8(3)		
6054	18482.02(6)	29.3(15)			6084	18461.87(5)	45(3)		
6055	18481.51(4)	63.7(8)			6085	18461.47(4)	86.3(10)	18461.50	
6056	18480.77(4)	236.7(8)	18480.72	S+ EF-2B (29-5) P1	6086	18460.90(4)	97.1(5)	18460.92	
6057	18479.30(7)	8.6(10)			6087	18460.30(6)	15.2(16)		
6058	18478.86(5)	29.9(10)			6088	18459.99(5)	61.5(15)		
6059	18478.47(6)	15.6(12)			6089	18459.53(4)	41.2(7)		S+ GK-2B (9-10) P4
6060	<b>18477.35(4)</b>	77.9(6)	18477.40	<b>T- 3e-2c (1-0) P4</b>	6090	18458.61(6)	5.9(5)		
6061	18476.74(6)	7.5(6)			6091	18457.68(4)	40.0(5)		
6062	18476.02(5)	16.8(8)			6092	18457.16(7)	7.0(6)		
6063	18475.56(5)	36.6(9)			6093	<b>18456.67(4)</b>	228.0(13)	18456.66	<b>T- 3c-2a (6-4) Q6</b>
6064	18475.10(4)	257.4(10)	18475.09		6094	18456.36(4)	281.0(15)	18456.37	S+ GK-2B (3-5) R5
6065	18474.48(4)	186.1(6)	18474.50		6095	18455.73(4)	63.8(8)		S+ GK-2B (5-7) R7
6066	18473.73(4)	39.6(6)			6096	18455.35(6)	14.8(8)		S+ EF-2B (29-5) P2
6067	18473.13(4)	65.1(6)			6097	18454.85(7)	6.2(6)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6098	18454.19(5)	14.7(6)	18453.66	S+ 3F-2B (0-4) P5	6128	18436.340(16)	91.7(15)	18433.59	S+ 3E-2B (2-7) P4
6099	18453.72(4)	58.2(6)			6129	18435.66(2)	24.2(6)		
6100	18453.14(6)	6.7(5)			6130	18435.124(14)	173.4(7)		
6101	18452.63(4)	52.1(5)			6131	18434.395(15)	68.6(6)		
6102	<b>18451.85(3)</b>	45.9(15)	18450.15	T- 3e-2c (2-1) R1	6132	18433.580(13)	242.9(6)	18432.25	S+ EF-2B (29-5) R5
6103	<b>18451.57(3)</b>	48.0(15)		<b>T- 3e-2c (2-1) R1</b>	6133	18432.933(16)	48.5(6)		S+ GK-2B (9-10) P5
6104	18450.150(13)	172.5(5)			6134	18432.251(15)	76.8(6)		
6105	18449.508(17)	35.7(5)			6135	18431.276(17)	31.6(6)		
6106	18449.00(3)	14.0(7)	18447.10	S- 4E-2C (0-0) R1	6136	<b>18430.52(3)</b>	10.9(7)	18426.70	<b>T+ 4b-2a (1-2) P3</b>
6107	18448.597(17)	56.8(6)			6137	18430.01(2)	68(2)		
6108	18448.18(3)	10.6(6)			6138	18429.69(2)	82.6(19)		
6109	18447.54(3)	9.8(5)			6139	18429.266(18)	52.3(10)		
6110	18447.080(14)	91.5(5)	18446.23	S- 3E-2C (4-0) P2	6140	18428.46(2)	19.4(6)	18425.10	S- 4E-2C (0-0) R3
6111	18446.222(15)	48.1(4)			6141	18427.79(2)	14.3(6)		
6112	18445.53(3)	9.0(4)			6142	18426.721(14)	123.3(8)		
6113	18444.96(2)	17.0(5)			6143	18426.08(2)	44.4(18)		
6114	18444.51(2)	22.4(5)	18442.27	S- 4E-2C (0-0) R2	6144	18425.77(4)	16.9(18)	18423.24	T+ 3e-2c (2-1) Q2
6115	18443.989(19)	37.9(7)			6145	<b>18425.124(15)</b>	108.0(8)		
6116	18443.502(17)	69.3(8)			6146	18424.334(15)	105.8(9)		
6117	18443.030(17)	102.9(11)			6147	18423.82(2)	27.6(9)		
6118	18442.631(18)	108.6(12)	18442.27	S- 3E-2B (2-7) Q2	6148	18423.243(14)	140.7(8)	18419.52	S- 3E-2B (2-7) Q1
6119	18442.266(14)	194.5(15)			6149	18422.45(2)	47(3)		S+ EF-2B (29-5) P3
6120	18441.529(18)	30.9(6)			6150	18422.08(3)	85(4)		
6121	18440.99(2)	17.6(6)			6151	18421.80(2)	104(6)		
6122	18439.90(4)	6.0(6)	18438.86	S- 3E-2B (2-7) Q2	6152	<b>18420.047(16)</b>	67.4(8)	18418.28	T- 3c-2a (6-4) Q7
6123	18439.326(14)	159.7(7)			6153	18419.510(16)	112.4(9)		S- 3E-2B (5-12) Q5
6124	18438.869(13)	240.6(8)			6154	18419.03(3)	13.8(9)		
6125	18438.23(2)	28.9(12)			6155	18418.263(14)	225.9(14)		
6126	18437.87(2)	34.1(12)	18438.86		6156	18417.872(17)	75.3(14)	18417.15	S+ GK-2B (3-5) R4
6127	18436.67(2)	38.3(15)			6157	18417.150(16)	58.6(7)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6158	18416.31(3)	12.8(9)			6188	18397.60(3)	25(2)		
6159	18415.80(4)	21.7(15)			6189	18397.019(17)	109.4(5)	18397.03	
6160	18415.42(5)	12.5(17)			6190	18396.277(18)	111.5(12)	18396.27	
6161	18414.72(3)	32.3(15)			6191	18395.98(2)	49.3(12)		
6162	18414.345(15)	149.0(16)	18414.35	S+ 3E-2B (2-7) P3	6192	18395.31(3)	10.6(5)		
6163	18412.578(19)	88.0(8)			6193	18394.85(3)	21.0(6)		S+ 3E-2C (4-0) Q5
6164	18411.952(17)	224.7(9)			6194	18394.42(2)	37.1(6)		
6165	18410.800(19)	95.0(9)	18410.80		6195	18393.836(19)	71.7(11)		
6166	18410.20(3)	40.4(15)		S- 4E-2C (0-0) Q1	6196	18393.53(2)	47.8(11)		S+ GK-2B (4-6) R2
6167	18409.79(5)	18.4(14)		S- 4E-2C (0-0) R4	6197	<b>18392.72(3)</b>	42(7)		<b>T+ 4b-2a (2-3) R1</b>
6168	<b>18409.25(4)</b>	17.7(10)		<b>T+ 4b-2a (2-3) R2</b>	6198	18392.55(3)	56(7)		
6169	18408.69(3)	68(5)			6199	18391.937(17)	183.5(9)	18391.95	S- 3E-2B (3-9) Q7
6170	18408.38(3)	93(4)			6200	18391.597(16)	315.1(10)	18391.59	S+ GK-2B (3-5) R3
6171	18407.92(5)	12.1(14)			6201	18390.974(17)	116.4(5)	18391.00	
6172	18407.272(18)	106.4(8)	18407.24		6202	18390.50(4)	8.8(5)		
6173	18405.744(17)	184.4(8)			6203	18389.99(3)	28.7(15)		
6174	18405.044(19)	81.6(8)	18405.08		6204	18389.72(4)	11.5(17)		
6175	18404.37(3)	28.7(12)			6205	18388.99(2)	28.5(4)		
6176	18403.949(19)	115.7(13)	18403.94		6206	18388.37(3)	6.1(4)		
6177	18402.962(19)	65.7(8)	18402.96		6207	18387.44(2)	24.9(5)		
6178	18402.00(2)	33.4(15)			6208	18386.97(4)	8.5(6)		
6179	18401.68(2)	67.7(11)			6209	<b>18386.56(2)</b>	38.7(6)		<b>T+ 4b-2a (1-2) P4</b>
6180	18401.36(2)	49.3(15)							T+ 3d-2c (1-0) R2
6181	18400.89(2)	34.6(5)			6210	18385.85(2)	26.7(4)		
6182	18400.01(3)	26(3)			6211	18385.31(2)	25.7(6)		
6183	18399.79(2)	82(3)			6212	18384.916(18)	64.9(6)		
6184	18399.15(5)	5.2(5)			6213	<b>18384.242(17)</b>	204.7(7)	18384.25	<b>T+ 4c-2a (5-7) R0</b>
6185	18398.67(2)	77.8(17)		S- 4E-2C (0-0) R5	6214	18383.730(18)	94.6(7)		
6186	18398.39(2)	48.6(17)			6215	18383.24(4)	8.7(7)		
6187	18397.854(19)	129(2)	18397.83		6216	18382.725(17)	109.4(7)	18382.73	S+ EF-2B (29-5) P4

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6217	18381.91(3)	56(4)			6246	18363.28(4)	57.0(14)		
6218	18381.68(2)	97(4)			6247	18362.30(3)	68.5(5)	18362.25	
6219	18379.617(16)	330.9(7)	18379.59		6248	18361.63(4)	23.2(6)		
6220	18379.07(4)	25(2)			6249	18361.09(4)	34.5(6)		
6221	18378.71(2)	220(5)	18378.72	S+ GK-2B (3-5) R2	6250	18360.51(4)	47(2)		
6222	18378.45(3)	133(6)			6251	18360.21(4)	65(2)		
6223	18378.07(2)	110.4(18)		S- 3E-2B (5-12) Q4	6252	18359.66(3)	205.2(11)		
6224	18377.587(19)	62.0(8)			6253	18359.27(4)	90.4(10)		S+ GK-2B (3-5) R0
6225	18376.759(18)	74.2(7)	18376.75		6254	18358.82(4)	37.7(8)		S+ GK-2B (4-6) R0
6226	18376.20(3)	56(4)			6255	<b>18358.32(4)</b>	59.1(6)		S+ 4E-2C (0-0) P3
6227	18375.95(2)	82(4)							<b>T- 4c-2a (5-7) Q1</b>
6228	18375.33(4)	19(2)			6256	18357.74(3)	142.5(6)	18357.67	
6229	<b>18375.04(2)</b>	63(2)		T+ 3d-2c (1-0) Q1	6257	18356.76(3)	98.0(6)	18356.79	
6230	18374.30(3)	121.3(8)	18374.30	S+ GK-2B (4-6) R1	6258	18356.07(6)	5.5(5)		
6231	18373.33(4)	34.5(10)			6259	<b>18355.27(4)</b>	17.8(6)		<b>T- 4c-2a (5-7) Q2</b>
6232	18372.69(4)	47.9(10)			6260	18354.78(4)	38.1(6)		
6233	18372.00(3)	141.5(13)	18372.02		6261	18353.97(3)	83.2(6)	18353.96	
6234	<b>18371.57(4)</b>	32.6(13)		<b>T+ 4b-2a (2-3) R0</b>	6262	18353.41(3)	71.2(6)	18353.42	
6235	18370.62(5)	20.9(12)			6263	18352.49(4)	23.3(5)		
6236	18370.16(4)	55.3(12)			6264	18351.89(4)	21.1(5)		
6237	<b>18369.45(3)</b>	493.3(12)	18369.49	<b>T+ 3c-2a (1-0) R4</b>	6265	<b>18350.95(3)</b>	437.0(7)	18350.95	<b>T+ 3c-2a (1-0) R2</b>
6238	18368.90(3)	245.3(11)	18368.93	S+ GK-2B (3-5) R1	6266	18350.21(3)	160.4(10)	18350.25	
6239	18367.95(4)	81.8(11)	18367.99		6267	18349.84(3)	123.5(10)	18349.82	
6240	<b>18367.40(4)</b>	88(2)		S+ GK-2B (5-7) R5	6268	18349.10(4)	61.5(8)	18349.11	
				<b>T- 3e-2c (1-0) P6</b>	6269	18348.70(4)	32.4(8)		
6241	18367.04(4)	45(2)			6270	18347.68(4)	24.0(5)		
6242	18366.49(4)	35.9(11)			6271	18346.67(5)	8.8(5)		
6243	18365.80(4)	38.6(10)			6272	18345.69(4)	61(4)		S- 3E-2B (5-12) Q3
6244	<b>18364.05(3)</b>	242.6(11)	18364.08	<b>T+ 3c-2a (1-0) R3</b>					S- 3E-2C (4-0) P4
6245	18363.64(4)	91.1(11)			6273	18345.40(5)	64(3)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6274	<b>18344.99(3)</b>	202(2)	18344.98	S+ GK-2B (0-3) R1	6301	18327.88(7)	65.5(11)	18327.84	
				<b>T- 3e-2c (2-1) P2</b>	6302	18326.88(6)	119.8(12)	18326.78	S- 4E-2C (1-1) R5
6275	18344.30(3)	167.7(8)	18344.29						S+ GK-2B (4-6) P1
6276	18343.56(5)	12.0(8)			6303	18325.91(7)	33.5(11)		
6277	18342.38(3)	104.3(8)	18342.35		6304	18325.33(7)	81.9(12)		S+ 4E-2C (0-0) P4
6278	18341.73(4)	94(2)			6305	18324.82(7)	112.3(12)	18324.91	S+ GK-2B (5-7) R4
6279	18341.39(4)	73(2)		S+ GK-2B (0-3) R0	6306	18324.32(10)	10.5(12)		
6280	<b>18340.68(4)</b>	108(3)	18340.69	S+ GK-2B (0-3) R2	6307	18323.08(9)	9.4(10)		
				<b>T+ 3d-2c (1-0) Q2</b>	6308	18321.84(7)	68.1(10)	18321.73	
6281	18340.38(5)	26(3)			6309	18321.15(7)	54.2(10)	18321.26	S- 3E-2B (5-12) Q2
6282	18339.68(5)	15.6(8)			6310	18319.91(6)	118.1(10)	18319.89	
6283	<b>18338.99(6)</b>	14.0(17)		T+ 4b-2a (1-2) P5	6311	18319.28(6)	107.6(11)	18319.35	
6284	<b>18338.62(4)</b>	52.0(15)		<b>T+ 4b-2a (1-2) P5</b>	6312	18318.71(7)	79.9(11)	18318.71	
6285	18338.08(3)	352.5(11)	18338.04	S- 4E-2C (1-1) R2	6313	18318.17(8)	20.0(13)		
6286	18337.51(6)	16.4(13)			6314	18317.68(6)	194.2(13)	18317.68	
6287	18337.08(3)	259.2(13)	18337.10	S+ EF-2B (29-5) P5	6315	18316.63(7)	40.5(10)	18316.67	
6288	18336.57(5)	53(3)		S- 4E-2C (1-1) R3	6316	18316.06(8)	16.1(10)		
6289	18336.26(4)	127(3)		S- 4E-2C (1-1) R1	6317	18315.32(8)	21.0(11)		
6290	18335.64(4)	61.9(8)			6318	18314.56(7)	88.2(12)	18314.65	
6291	18335.01(4)	74.4(12)			6319	18314.00(7)	40.7(12)		
6292	18334.60(4)	102.3(12)			6320	18313.50(7)	43.1(13)	18313.43	
6293	18333.75(3)	119.2(8)			6321	18312.63(7)	29.2(11)	18312.64	S+ GK-2B (0-3) P1
6294	18332.77(3)	193.2(9)	18332.82	S- 4E-2C (1-1) R4	6322	18311.23(8)	23.6(14)		
6295	<b>18332.26(3)</b>	257.9(9)	18332.24	S- 3E-2B (3-9) Q6	6323	18310.77(7)	97.3(14)	18310.78	
				<b>T+ 3c-2a (1-0) R1</b>	6324	18309.92(6)	138.2(11)	18309.90	S+ GK-2B (4-6) P2
6296	18331.71(6)	8.4(9)			6325	18308.99(7)	79.3(11)		S+ WW-2B (0-3) R4
6297	18330.24(6)	105.2(10)	18330.27	S+ GK-2B (3-5) P1					S+ GK-2B (3-5) P2
6298	18329.57(7)	67.2(10)	18329.54		6326	<b>18308.38(6)</b>	280.8(15)	18308.37	<b>T+ 3c-2a (1-0) R0</b>
6299	18328.94(7)	58.4(12)	18329.07		6327	18307.30(9)	29(4)		
6300	18328.44(8)	19.4(12)			6328	18306.99(8)	36(4)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6329	18305.85(7)	35.4(11)	18305.85	S+ GK-2B (0-3) R4	6358	18285.252(16)	251.1(7)	18285.26	S- 3E-2C (4-0) P5
6330	18305.14(6)	145.0(11)							S 4D-2C (0-0) R1
6331	<b>18304.53(6)</b>	95.3(11)	18304.51	<b>T- 3e-2c (2-1) P3</b>	6359	18284.71(4)	7.5(6)		
6332	18303.77(7)	64.8(11)			6360	18283.89(3)	26.9(13)		
6333	18302.10(6)	130.5(11)	18302.06		6361	18283.54(3)	36.8(10)		
6334	<b>18301.24(6)</b>	91.1(11)	18301.30	<b>T+ 3d-2c (1-0) R5</b>	6362	18283.18(2)	30.5(12)		
6335	18300.60(7)	63.0(11)	18300.49		6363	18282.37(3)	11.0(5)		
6336	18299.81(7)	69.8(11)	18299.85		6364	18281.559(15)	237.2(6)	18281.59	S- 3E-2B (3-9) Q5
6337	18299.27(7)	86.2(11)			6365	18280.91(2)	114(4)		
6338	18297.53(7)	35.9(9)	18297.55		6366	18280.68(3)	33(4)		
6339	18297.02(8)	19.3(9)			6367	18280.03(2)	78.7(18)		
6340	18296.25(6)	409.1(10)	18296.23		6368	18279.748(19)	82.5(18)		
6341	18295.62(8)	28(2)		<b>T+ 3d-2c (1-0) Q3</b>	6369	18278.609(19)	73.6(12)		
6342	<b>18295.29(7)</b>	43(2)		<b>T+ 3d-2c (1-0) Q3</b>	6370	18278.26(2)	49.1(12)		
6343	18294.71(7)	42.6(9)	18294.59		6371	18277.34(2)	39.3(7)		S 4D-2C (0-0) Q1
6344	18293.84(7)	37.8(8)	18293.82		6372	18276.71(3)	32(2)		
6345	18292.90(6)	174.4(12)	18292.90	S+ GK-2B (4-6) P3	6373	18276.41(3)	52.3(18)		
6346	18292.48(8)	26.2(12)			6374	18275.990(16)	192.1(11)	18275.99	S- 4E-2C (1-1) Q2
6347	18291.86(7)	20.4(9)			6375	18274.98(3)	22(2)		
6348	18291.26(7)	78.5(15)	18291.26	S+ EF-2B (29-5) P6	6376	<b>18274.701(17)</b>	239(2)	18274.70	<b>T- 3c-2a (1-0) Q1</b>
6349	18290.89(8)	25.3(15)							S+ 3E-2B (0-4) R3
6350	18290.12(4)	30.3(7)	18290.13		6377	18274.25(4)	8.9(9)		
6351	18289.07(3)	35(4)			6378	18273.35(2)	19.6(7)		
6352	18288.86(3)	29(4)			6379	18271.98(2)	27.5(9)		
6353	18287.97(2)	28.6(6)		S+ GK-2B (0-3) P2	6380	18271.573(16)	215.5(10)	18271.59	
				S+ GK-2B (0-3) R5	6381	18270.97(4)	6.8(7)		
6354	18287.52(3)	10.4(6)			6382	18270.261(16)	149.7(7)	18270.24	
6355	18286.98(2)	24.7(5)			6383	18269.094(15)	305.6(8)	18269.10	S+ GK-2B (5-7) R3
6356	18286.19(2)	25.0(6)			6384	18268.37(4)	16.6(16)		
6357	18285.728(16)	140.1(6)			6385	18268.06(3)	25.9(16)		



Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6386	<b>18267.37(2)</b>	36.5(7)		<b>T- 3c-2a (7-5) Q1</b>	6415	18248.28(3)	31.8(7)		
6387	18265.95(2)	29.3(10)			6416	18247.77(4)	18.7(7)		
6388	18265.57(3)	14.1(10)			6417	18247.12(3)	46.9(15)		
6389	<b>18264.951(15)</b>	626.4(9)		<b>T- 3c-2a (1-0) Q2</b>	6418	18246.73(4)	55.4(12)		
6390	18264.39(2)	31.2(8)			6419	18246.26(7)	7.1(10)		
6391	18263.82(2)	38.2(10)			6420	18245.38(3)	129.6(6)		
6392	18263.44(2)	41.6(10)			6421	18244.66(3)	28.1(6)		
6393	18262.79(2)	52.5(12)			6422	18243.96(3)	144.5(7)		
6394	18262.403(19)	140.1(18)	18262.39		6423	18243.35(3)	532.3(12)		
6395	18262.10(2)	88(2)		S+ GK-2B (3-5) P4	6424	18242.72(4)	61(3)		
6396	18261.534(17)	136.2(9)	18261.53		6425	<b>18242.42(3)</b>	223(3)	18242.42	T+ 3d-2c (1-0) Q4
6397	18261.10(2)	41.0(9)		S+ WZ-2B (0-9) R2					<b>T+ 4b-2a (2-3) P3</b>
6398	18260.215(19)	60.3(10)							S+ GK-2B (3-5) P5
6399	<b>18259.130(16)</b>	164.9(10)	18259.12	<b>T- 3e-2c (2-1) P4</b>	6426	18241.86(4)	15.8(7)		
6400	18258.42(6)	6.4(10)			6427	<b>18241.05(3)</b>	362(2)	18241.09	<b>T- 3c-2a (7-5) Q3</b>
6401	18257.81(8)	4.6(10)							S+ GK-2B (5-7) R1
6402	18257.070(16)	468(4)	18257.06		6428	18240.59(4)	90(3)		
6403	18256.73(3)	64(3)			6429	18240.28(3)	99(4)		S- 4E-2C (1-1) P2
6404	18256.36(2)	139(3)	18256.37	S 4D-2C (0-0) R2					S+ GK-2B (6-8) R4
				S+ GK-2B (0-3) P3	6430	18239.41(3)	104.5(17)		S- 3E-2B (3-9) Q4
6405	18255.88(3)	27.1(13)			6431	18239.00(4)	174(13)	18239.00	
6406	18255.40(2)	42.4(12)			6432	18238.81(4)	137(14)		
6407	18254.65(4)	9.8(10)			6433	18238.23(3)	122.6(12)		
6408	18253.01(6)	12.8(18)			6434	18237.81(3)	91.9(12)		
6409	18252.63(3)	154(2)	18252.62		6435	18236.65(3)	32.7(10)		
6410	18251.90(6)	7.3(8)			6436	18235.99(3)	34.9(10)		
6411	18251.40(3)	157.0(8)			6437	18235.20(3)	135.1(10)	18235.24	S+ 3E-2B (3-9) R1
6412	18250.63(6)	30(6)			6438	18234.65(3)	195.6(10)	18234.67	
6413	<b>18250.36(3)</b>	373(8)	18250.38	<b>T- 3c-2a (1-0) Q3</b>	6439	18233.79(3)	178.1(17)		S+ GK-2B (5-7) R0
6414	18249.73(3)	194.0(8)	18249.75	S+ GK-2B (5-7) R2	6440	18233.40(3)	206(4)	18233.36	

Table II (Continued).

K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment	K	$\nu$ , $\text{cm}^{-1}$	$I$ , counts	$\nu_R$ , $\text{cm}^{-1}$	Assignment
6441	18233.15(4)	48(5)			6469	18214.95(5)	14.4(13)		S 4D-2C (0-0) P2
6442	18232.54(3)	26.9(10)			6470	18214.54(3)	82.7(13)	18214.53	S+ GK-2B (6-8) R2
6443	18231.75(5)	9.6(10)			6471	18213.88(5)	18.4(11)		
6444	<b>18231.03(3)</b>	895.8(12)	18231.03	<b>T- 3c-2a (1-0) Q4</b>	6472	18213.46(3)	44.5(13)		
				S- 4E-2C (2-2) R3	6473	18212.61(2)	141(2)	18212.60	
6445	18230.40(5)	13.1(13)			6474	18212.20(3)	106(3)		
6446	18230.00(3)	67.8(12)		S- 4E-2C (2-2) R2	6475	18211.87(3)	118(4)		
6447	18229.55(4)	22.4(11)			6476	18211.16(3)	18.3(5)		
6448	18228.97(3)	84.8(13)	18229.00	S- 4E-2C (2-2) R4	6477	18210.48(3)	25.6(5)		
6449	18228.56(5)	22.9(14)			6478	18209.75(3)	55.8(11)		
6450	18228.18(3)	127.0(15)	18228.19	S+ GK-2B (6-8) R3	6479	<b>18209.32(3)</b>	83.6(11)	18209.33	T- 3e-2c (2-1) P5
6451	18226.83(3)	190.3(12)	18226.83		6480	18208.71(4)	10.9(6)		
6452	18226.42(3)	109.0(12)			6481	<b>18207.72(2)</b>	151.5(5)		<b>T+ 3c-2a (1-0) P2</b>
6453	18225.44(3)	38.8(11)							S+ GK-2B (5-7) P1
6454	18224.95(5)	25.0(18)		S- 4E-2C (2-2) R1	6482	<b>18207.00(2)</b>	338.5(5)	18207.01	<b>T- 3c-2a (1-0) Q5</b>
6455	18224.60(3)	112.3(16)	18224.57	S- 4E-2C (2-2) R5	6483	18205.78(2)	137.5(7)	18205.81	S- 3E-2B (3-9) Q3
6456	18224.14(3)	206(2)	18224.13	S 4D-2C (0-0) Q2	6484	18205.27(3)	27.4(7)		
				S 4D-2C (0-0) R3	6485	18204.59(5)	5.4(5)		
6457	18223.83(4)	59(3)			6486	18203.64(3)	34.7(5)	18203.62	
6458	18223.31(5)	34(3)			6487	18202.96(2)	119.1(6)	18202.98	S+ GK-2B (6-8) R1
6459	18223.04(3)	93(4)	18222.99		6488	18202.41(4)	13.0(6)		
6460	18222.24(5)	6.6(5)			6489	18201.73(5)	10.4(6)		
6461	18221.76(4)	8.7(5)			6490	18201.15(3)	54.9(7)	18201.17	
6462	18221.22(3)	36.5(5)			6491	18200.68(3)	39.4(8)		
6463	<b>18220.21(3)</b>	149.2(5)	18220.21	<b>T- 3c-2a (7-5) Q4</b>	6492	<b>18199.48(2)</b>	45.7(4)	18199.48	<b>T+ 4b-2a (2-3) P4</b>
6464	18219.56(4)	10.0(5)			6493	18198.60(3)	19.6(3)		
6465	18218.02(3)	96.3(5)	18218.00	S- 4E-2C (2-2) R6	6494	18197.69(2)	29.2(4)	18197.70	
6466	18217.19(3)	46.5(5)	18217.21	S+ GK-2B (0-3) P4	6495	18196.92(3)	25.6(5)		
6467	18216.36(4)	8.5(5)		S- 4E-2C (1-1) Q4	6496	18196.40(3)	39.8(5)		
6468	18215.64(3)	57.9(5)	18215.63		6497	18195.47(3)	8.8(3)		

Table II (Continued).

K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment	K	$\nu$ , cm <sup>-1</sup>	$I$ , counts	$\nu_R$ , cm <sup>-1</sup>	Assignment
6498	<b>18194.24(2)</b>	56.4(5)		<b>T- 3c-2a (7-5) Q5</b>	6522	18177.86(3)	71.8(9)		
6499	18193.71(2)	81.3(5)	18193.72		6523	18177.26(2)	225.1(12)		
6500	18192.98(3)	39.2(6)	18192.98		6524	18176.29(2)	93.7(5)	18176.31	
6501	18192.50(4)	14.5(7)		S+ 3E-2B (3-9) R0	6525	18175.52(4)	11.3(4)		
6502	18191.46(2)	55.6(4)	18191.46		6526	18174.70(4)	9.8(5)		
6503	18190.56(5)	16.0(19)			6527	18174.03(3)	44.3(5)	18173.99	S- 3E-2B (0-4) Q6
6504	18190.23(4)	20.5(19)		S+ 3E-2B (0-4) R2	6528	18173.39(4)	14.1(5)		
6505	18189.42(2)	87.9(15)	18189.44	S 4D-2C (0-0) R4	6529	18171.99(3)	23.5(5)	18172.04	
6506	18189.05(4)	18.5(14)			6530	18171.10(3)	14.2(6)		
6507	18188.33(2)	36.8(4)	18188.34	S- 4E-2C (1-1) P3	6531	18170.68(3)	15.8(6)		
				S+ GK-2B (6-8) R0	6532	18169.93(2)	104.5(5)	18169.91	S+ GK-2B (0-3) P5
6508	18187.55(3)	16.8(4)			6533	18168.61(5)	11.9(16)		
6509	18186.14(2)	58.0(4)	18186.11	S+ GK-2B (5-7) P2	6534	18168.33(4)	17.5(16)		
6510	18185.41(3)	33.3(8)			6535	18167.12(4)	14.8(11)		
6511	18184.97(4)	17.7(8)			6536	18166.76(2)	141.1(10)	18166.75	
6512	<b>18184.26(2)</b>	44.3(4)	18184.23	<b>T+ 3d-2c (1-0) Q5</b>	6537	18166.42(3)	40.0(12)		
6513	18183.57(3)	11.3(4)			6538	18165.37(3)	29.2(5)		S 4D-2C (0-0) Q3
6514	18182.58(3)	16.9(5)			6539	<b>18164.73(2)</b>	148.3(5)	18164.76	<b>T+ 3c-2a (1-0) P3</b>
6515	18181.91(6)	7.0(5)			6540	18164.00(2)	92.1(5)	18163.98	S- 3E-2B (3-9) Q1
6516	18181.24(3)	43.0(7)			6541	18163.30(2)	140.3(6)	18163.34	
6517	18180.67(3)	56.7(9)	18180.67	S- 3E-2B (3-9) Q2	6542	18162.84(2)	130.1(6)	18162.87	
6518	18180.11(6)	19.0(10)			6543	18162.32(3)	21.4(6)		
6519	18179.56(4)	49.2(15)			6544	18161.79(2)	165.8(5)	18161.81	S+ GK-2B (5-7) P3
6520	18179.10(4)	44.6(18)			6545	18161.13(3)	15.7(5)		
6521	<b>18178.42(2)</b>	578(3)	18178.38	<b>T- 3c-2a (1-0) Q6</b>					

